380

WATER TEMPERATURES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES

Theodore N. Gill CRUISES 1-9, 1953-54

WOODS HOLE, MASS.

SPECIAL SCIENTIFIC REPORT-FISHERIES No. 380

UNITED STATES DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

United States Department of the Interior, Stewart L. Udall, Secretary
Fish and Wildlife Service, Clarence F. Pautzke, Commissioner
Bureau of Commercial Fisheries, Donald L. McKernan, Director

WATER TEMPERATURES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES, Theodore N. Gill CRUISES 1-9, 1953-54

By

William W. Anderson, Joseph E. Moore
and Herbert R. Gordy

United States Fish and Wildlife Service
Special Scientific Report--Fisheries No. 380

Washington, D.C.
May 1961

CONTENTS

	Page
Introduction	1
Procedures	2
Sections	2
Areas	2
Seasons	2
General	2
Literature cited	2
Water temperature data (tables 1-80)	9

FIGURES

1.	Basic station plan	vi
2.	Areas, sub-areas, and stations comprising sub-areas	4
3.	Average winter surface water temperatures (°C)	5
4.	Average spring surface water temperatures (°C)	6
5.	Average summer surface water temperatures (°C)	7
6.	Average fall surface water temperatures (°C)	8

TABLES

1.	Temperatures (°C), stations by cruise	9
2.	Temperatures (°C), by section, cruise 1	54
3.	Temperatures (°C), by section, cruise 2	58
4.	Temperatures (°C), by section, cruise 3	62
5.	Temperatures (°C), by section, cruise 4	66
6.	Temperatures (°C), by section, cruise 5	70
7.	Temperatures (°C), by section, cruise 6	74
8.	Temperatures (°C), by section, cruise 7	76
9.	Temperatures (°C), by section, cruise 8	80
10.	Temperatures (°C), by section, cruise 9	84
11.	Temperatures (°C), by section, winter season	88
12.	Temperatures (°C), by section, spring season	92
13.	Temperatures (°C), by section, summer season	96
14.	Temperatures (°C), by section, fall season	100
15.	Temperatures (°C), by station, winter season, southern inner shelf	104
16.	Temperatures (°C), by station, winter season, southern outer shelf	105
17.	Temperatures (°C), by station, winter season, southern offshore	106
18.	Temperatures (°C), by station, winter season, central inner shelf	109
19.	Temperatures (°C), by station, winter season, central outer shelf	110
20.	Temperatures (°C), by station, winter season, central offshore	113
21.	Temperatures (°C), by station, winter season, northern inner shelf	116
22.	Temperatures (°C), by station, winter season, northern outer shelf	117
23.	Temperatures (°C), by station, winter season, northern offshore	119
24.	Temperatures (°C), by station, spring season, southern inner shelf	121
25.	Temperatures (°C), by station, spring season, southern outer shelf	122
26.	Temperatures (°C), by station, spring season, southern offshore	123
27.	Temperatures (°C), by station, spring season, central inner shelf	126
28.	Temperatures (°C), by station, spring season, central outer shelf	127
29.	Temperatures (°C), by station, spring season, central offshore	130
30.	Temperatures (°C), by station, spring season, northern inner shelf	132

Page

31. Temperatures (°C), by station, spring season, northern outer shelf.... 133
32. Temperatures (°C), by station, spring season, northern offshore 135
33. Temperatures (°C), by station, summer season, southern inner shelf. 138
34. Temperatures (°C), by station, summer season, southern outer shelf. 139
35. Temperatures (°C), by station, summer season, southern offshore..... 140
36. Temperatures (°C), by station, summer season, central inner shelf ... 143
37. Temperatures (°C), by station, summer season, central outer shelf ... 144
38. Temperatures (°C), by station, summer season, central offshore..... 147
39. Temperatures (°C), by station, summer season, northern inner shelf. 150
40. Temperatures (°C), by station, summer season, northern outer shelf. 151
41. Temperatures (°C), by station, summer season, northern offshore..... 153
42. Temperatures (°C), by station, fall season, southern inner shelf..... 156
43. Temperatures (°C), by station, fall season, southern outer shelf..... 157
44. Temperatures (°C), by station, fall season, southern offshore 158
45. Temperatures (°C), by station, fall season, central inner shelf..... 161
46. Temperatures (°C), by station, fall season, central outer shelf..... 162
47. Temperatures (°C), by station, fall season, central offshore 165
48. Temperatures (°C), by station, fall season, northern inner shelf..... 168
49. Temperatures (°C), by station, fall season, northern outer shelf..... 169
50. Temperatures (°C), by station, fall season, northern offshore 171
51. Temperatures (°C), inner shelf, winter season 173
52. Temperatures (°C), inner shelf, spring season 173
53. Temperatures (°C), inner shelf, summer season..... 174
54. Temperatures (°C), inner shelf, fall season 174
55. Temperatures (°C), outer shelf, winter season 175
56. Temperatures (°C), outer shelf, spring season 177
57. Temperatures (°C), outer shelf, summer season..... 179
58. Temperatures (°C), outer shelf, fall season 181
59. Temperatures (°C), offshore, winter season..... 183
60. Temperatures (°C), offshore, spring season..... 186
61. Temperatures (°C), offshore, summer season 189
62. Temperatures (°C), offshore, fall season..... 192
63. Temperatures (°C), inner shelf, summary by season 195
64. Temperatures (°C), outer shelf, summary by season 196
65. Temperatures (°C), offshore, summary by season..... 197
66. Temperatures (°C), summary comparison by season for inner shelf from south to north 199
67. Temperatures (°C), summary comparison by season for outer shelf from south to north 199
68. Temperatures (°C), summary comparison by season for offshore from south to north..... 200
69. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, winter season 201
70. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, spring season 201
71. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, summer season..... 202
72. Temperatures (°C), summary comparison from inner shelf to offshore, southern area, fall season 202
73. Temperatures (°C), summary comparison from inner shelf to offshore, central area, winter season 203
74. Temperatures (°C), summary comparison from inner shelf to offshore, central area, spring season 203

Page

75. Temperatures (°C), summary comparison from inner shelf to offshore, central area, summer season 204
76. Temperatures (°C), summary comparison from inner shelf to offshore, central area, fall season 204
77. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, winter season 205
78. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, spring season 205
79. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, summer season 206
80. Temperatures (°C), summary comparison from inner shelf to offshore, northern area, fall season 206

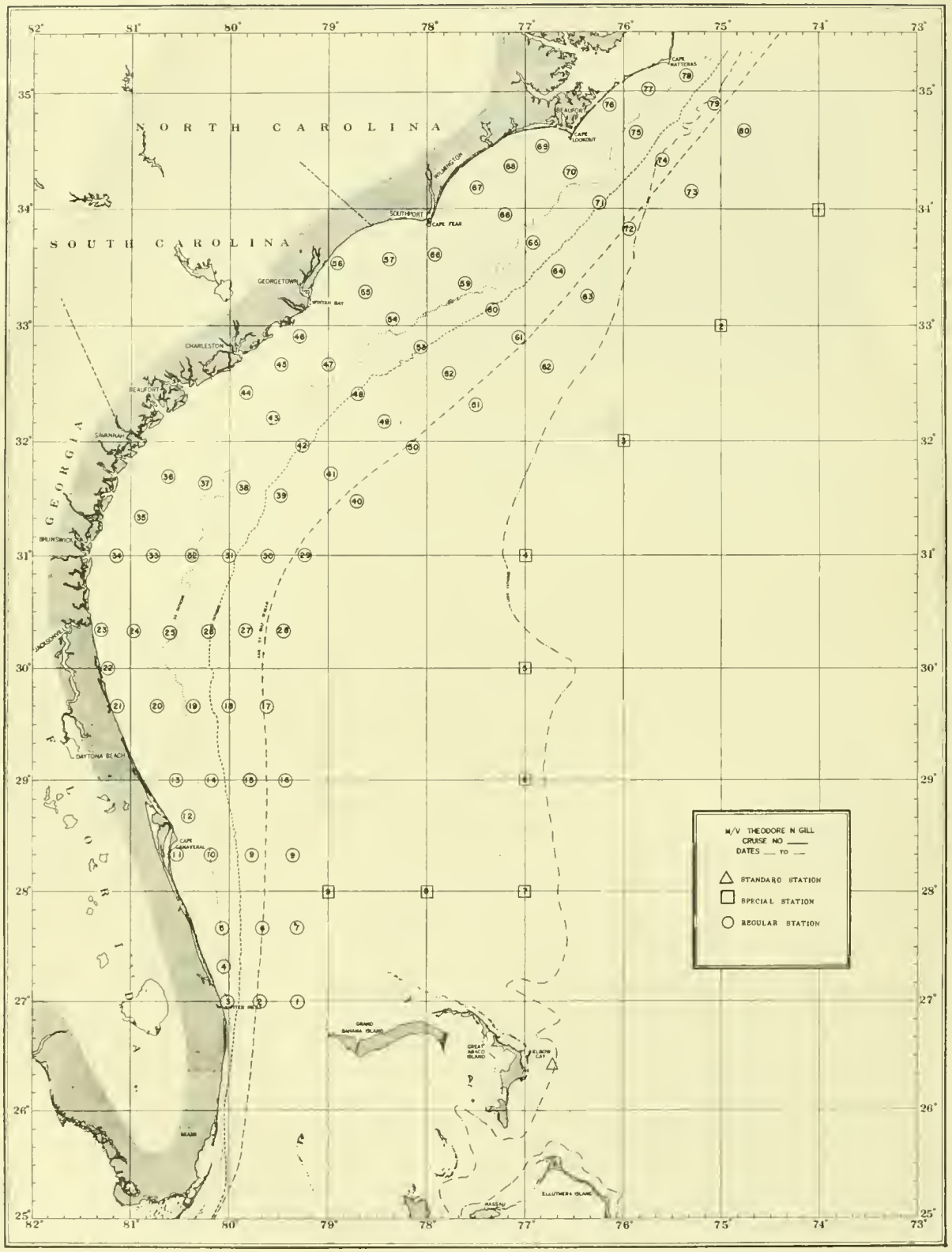

Figure 1.--Basic station plan.

WATER TEMPERATURES OFF THE SOUTH ATLANTIC COAST OF THE UNITED STATES, Theodore N. Gill CRUISES 1-9, 1953-54

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ABSTRACT

Water temperature data obtained during nine cruises of the M/V *Theodore N. Gill* off the south Atlantic coast of the United States are further processed and organized in a much more usable and readily available form. Surface water temperatures by season are presented graphically.

INTRODUCTION

A general survey of those waters adjacent to our coast in the region from Cape Hatteras on the north to the Florida Straits on the south was begun in 1953 by the U. S. Fish and Wildlife Service in cooperation with two other Federal agencies and two State agencies. Nine cruises over a basic station plan (fig. 1) were completed with the vessel *Theodore N. Gill* from February 1953 to December 1954.

All of the basic physical oceanographic, biological, and chemical data, together with procedures and methods, have been published by individual cruise; (Anderson, Gehringer, and Cohen, 1956a and 1956b; and Anderson and Gehringer, 1957a, 1957b, 1958a, 1958b, 1959a, 1959b, and 1960).

This is the first in a series of reports to further process the physical oceanographic and chemical data preparatory to a summarization of conditions along the south Atlantic coast of the United States, as revealed from the nine *Gill* cruises. The data will also be organized in a much more usable and readily available form for fisher biologists in their studies of the fishes, shrimps, and other organisms of the region.

Acknowledgments

We appreciate the assistance of several members of the staff of the Bureau of Commercial Fisheries Biological Laboratory, Brunswick, Georgia, who aided in various ways: Jack W. Gehringer, Mary E. Cobb, Eleanor Y. Waters, Mabel Jo Knight, and E. Reid Poe.

Note.--W. W. Anderson, J. E. Moore, H. R. Gordy, Bureau of Commercial Fisheries Biological Laboratory, Brunswick, Georgia.

PROCEDURES

Sections

There are 16 sections as established from the pattern of east-west lines of stations (fig. 1). These are named and composed of stations as established in the individual cruise reports and shown in tables 2 to 14.

Areas

The region is divided into three areas--southern, central, and northern. Each area is split into three sub-areas: inner shelf, which extends generally from the beaches seaward to about 15 fathoms; outer shelf, from about 15 fathoms seaward to about 100 fathoms; and offshore, mostly in the Gulf Stream. This is illustrated in figure 2, together with the stations comprising each sub-area.

Data from the special stations and standard station are excluded from this division and are presented separately.

Seasons

Four general seasons are applied--winter (Cruises 1 and 5), spring (Cruises 2 and 6), summer (Cruises 3, 7, and 8), and fall (Cruises 4 and 9).

General

Temperature data used in compilation of the various tables were the interpolated and calculated data from the nine *Gill* cruise reports.

Basic temperatures are given to the hundredth of a degree, and averages to the nearest tenth of a degree.

No data below 1,000 meters standard depth are included--such were available on only a few stations.

Profiles of the sections, by cruise, were published in the individual cruise reports.

Average surface water temperatures for the four seasons, and for areas near the special stations and standard station, are shown in figures 3 to 6.

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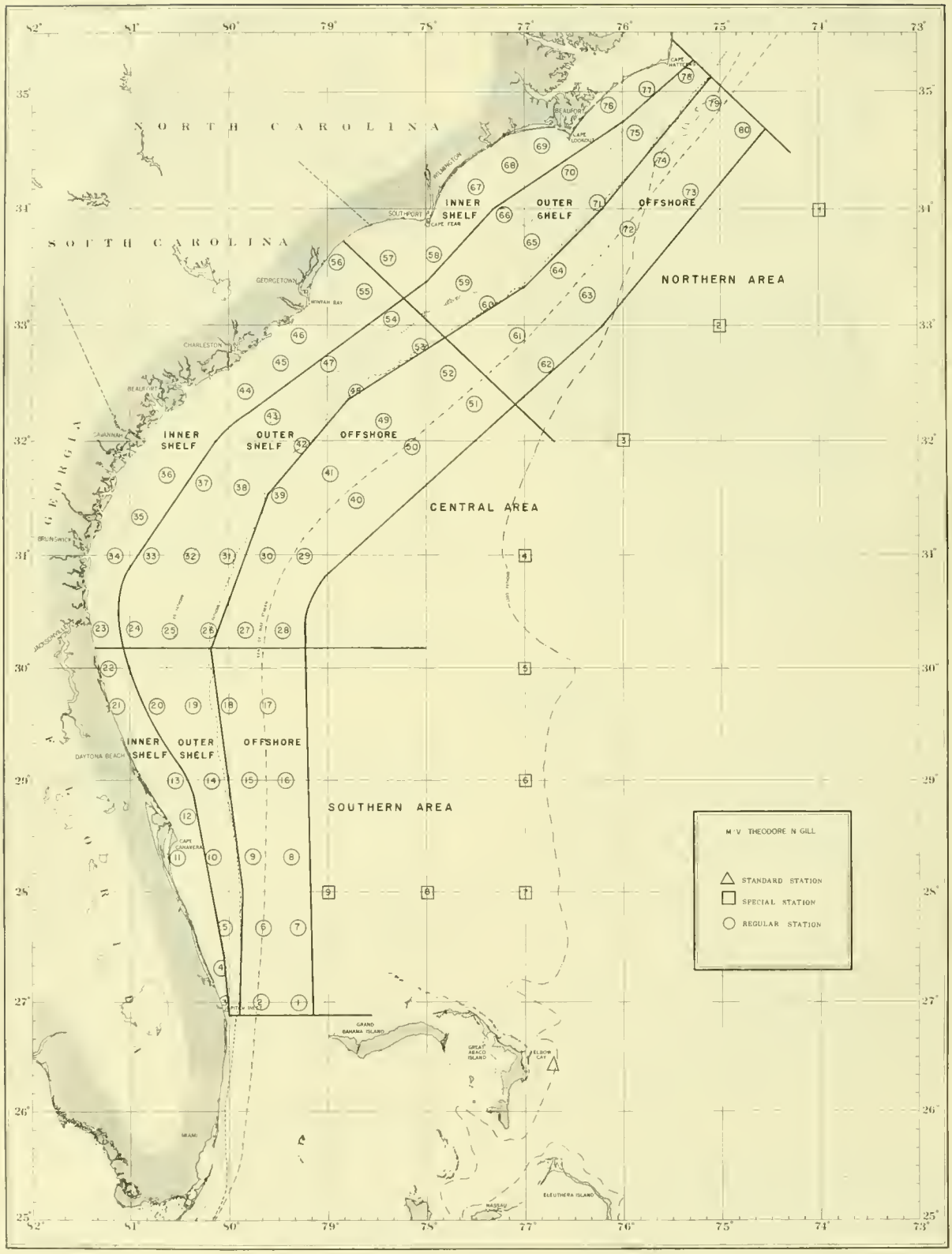

Figure 2.--Areas, sub-areas, and stations comprising sub-areas.

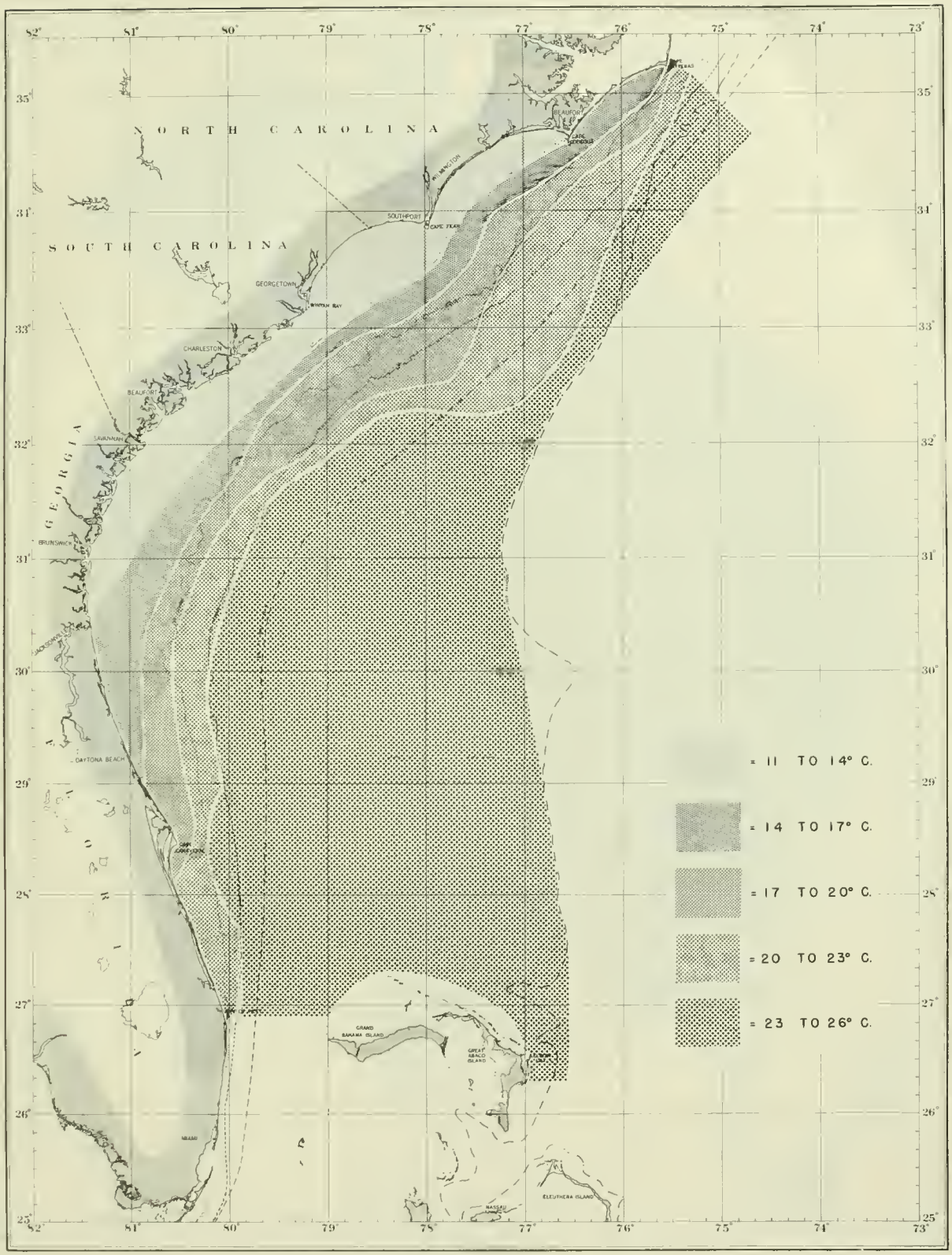

Figure 3.--Average winter surface water temperatures (°C).

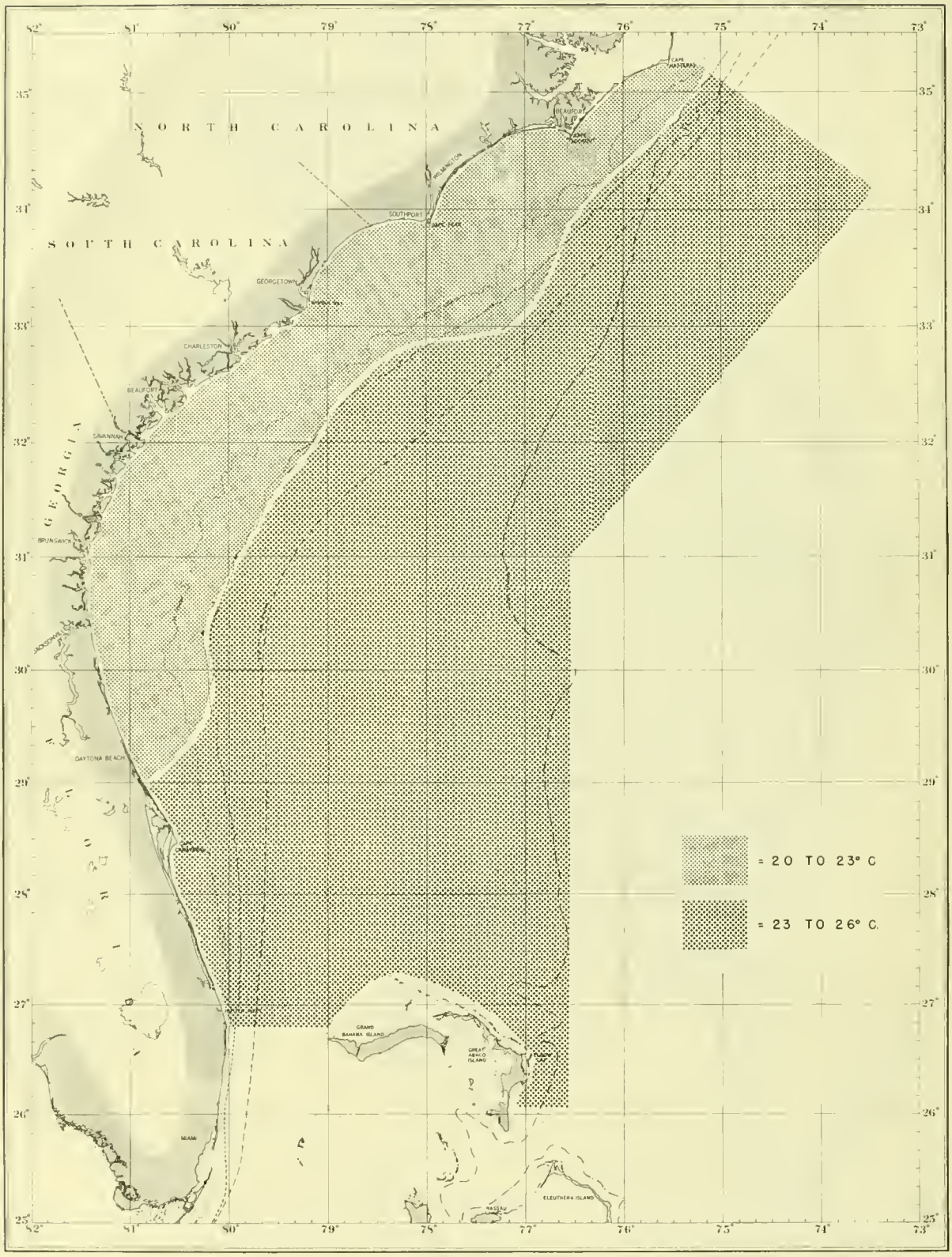

Figure 4.--Average spring surface water temperatures (°C).

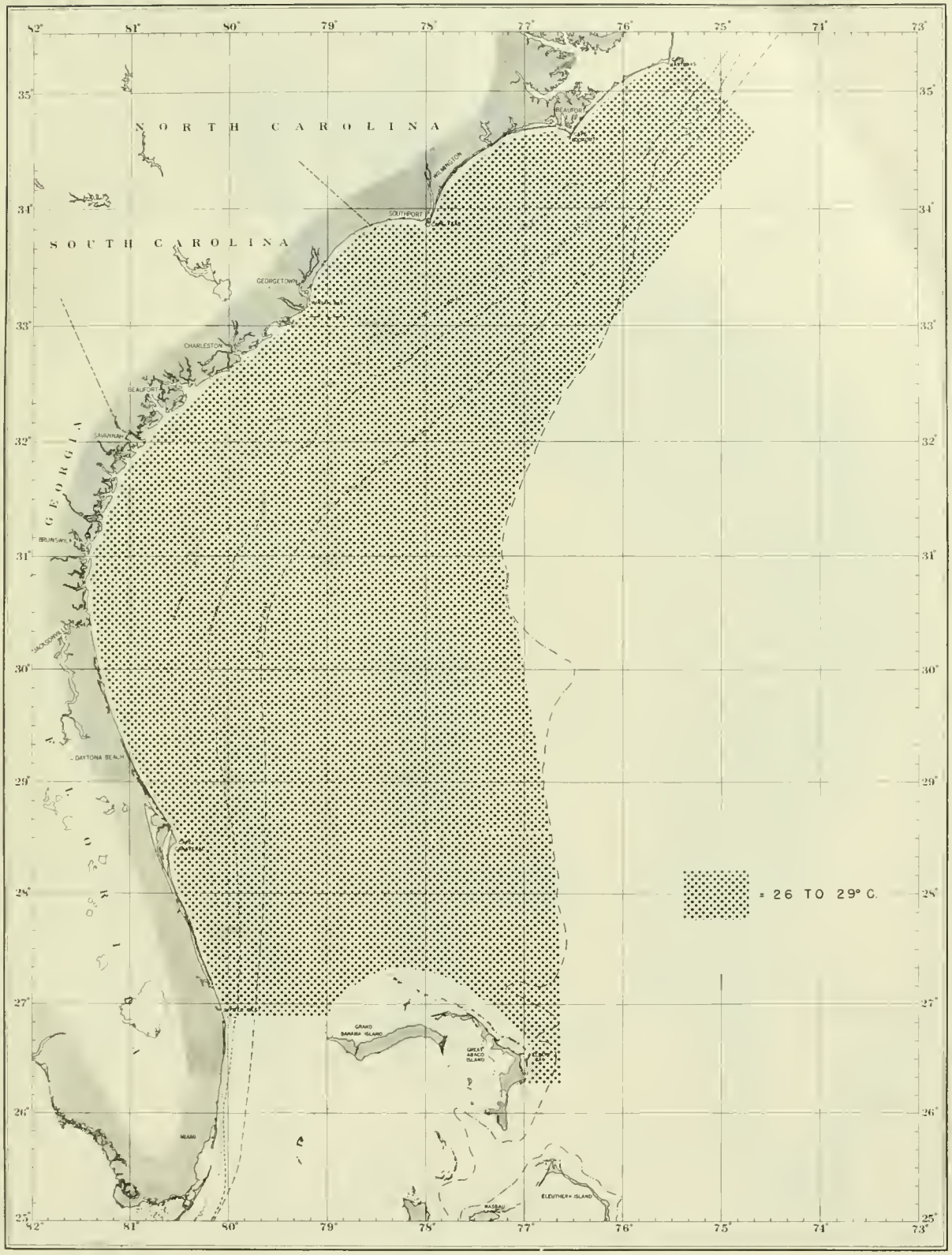

Figure 5.--Average summer surface water temperatures (°C).

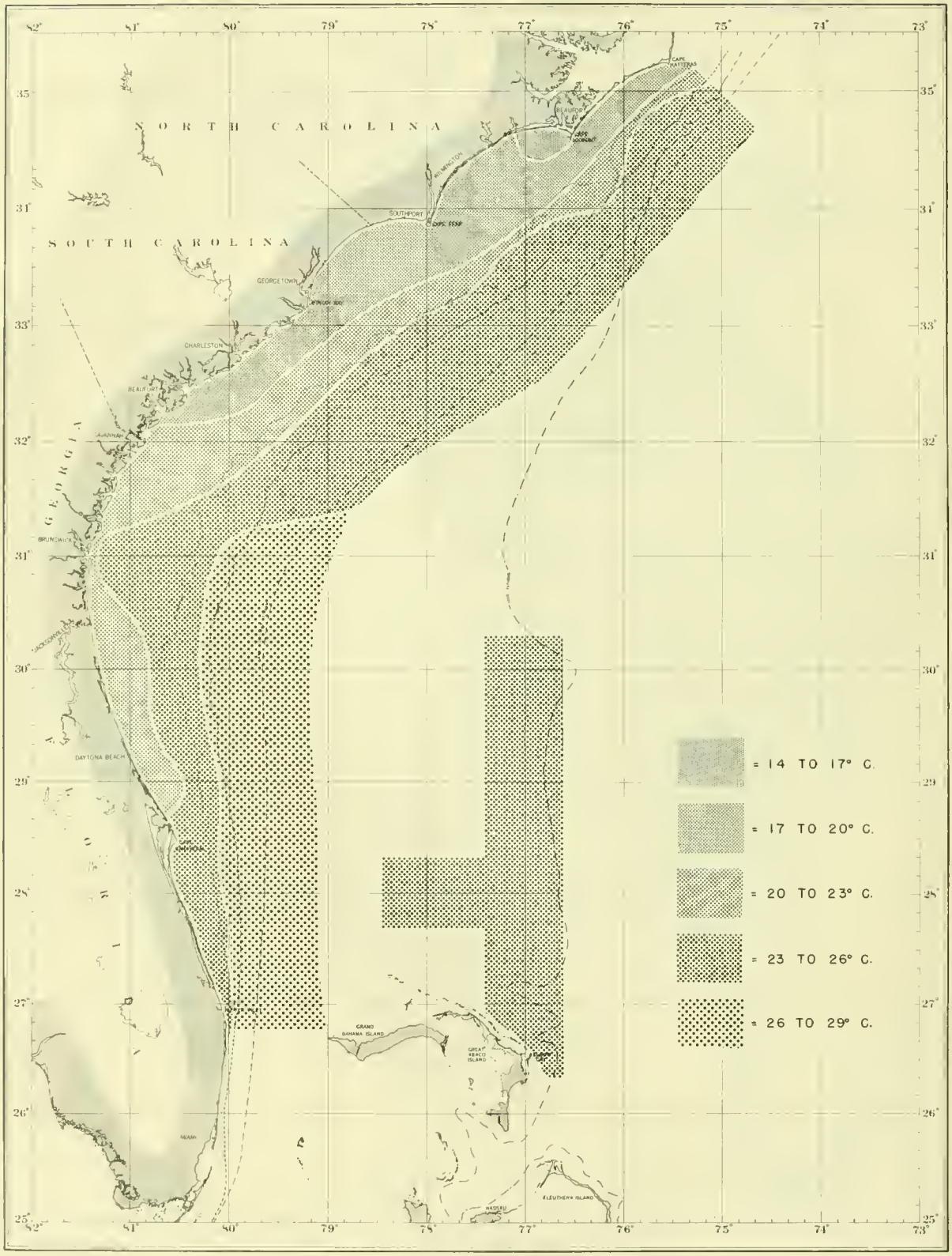

Figure 6.--Average fall surface water temperatures (°C)

Table 1.--Temperatures (°C), stations by cruise

Station Special 1

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		22.99							
10		22.83							
20		22.65							
30		21.69							
50		20.28							
75		19.96							
Avg.		21.7							
100		19.65							
150		19.02							
200		18.54							
250		18.31							
300		18.06							
Avg.		18.7							
400		17.48							
500		16.07							
600		14.43							
800		9.91							
1000		6.74							
Avg.		12.9							

Station Special 2

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.12							
10		25.14							
20		24.95							
30		24.20							
50		23.00							
75		22.33							
Avg.		24.1							
100		21.71							
150		20.60							
200		19.67							
250		18.93							
300		18.38							
Avg.		19.9							
400		17.84							
500		16.95							
600		15.72							
800		11.98							
1000		7.80							
Avg.		14.1							

Table 1.--Temperatures (°C), stations by cruise--Continued

Station Special 3

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		26.16							
10		25.53							
20		25.29							
30		24.16							
50		22.54							
75		21.87							
Avg.		24.3							
100		21.30							
150		20.53							
200		19.87							
250		19.35							
300		18.87							
Avg.		20.0							
400		18.10							
500		17.92							
600		17.25							
800		13.51							
1000		8.56							
Avg.		15.1							

Station Special 4

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		24.94							
10		24.93							
20		24.65							
30		24.20							
50		23.22							
75		21.59							
Avg.		23.9							
100		20.34							
150		19.64							
200		19.05							
250		18.56							
300		18.18							
Avg.		19.2							
400		17.72							
500		16.53							
600		15.00							
800		10.60							
1000		6.92							
Avg.		13.4							

Table 1.--Temperatures (°C), stations by cruise--Continued

Station Special 5

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		22.50	28.11		24.22	22.38	26.22		25.44
10		22.47	28.01		24.19	21.62	25.27		25.46
20		22.47	27.59		24.14	21.27	24.74		25.48
30		22.47	27.30		24.09	21.07	24.12		25.48
50		22.35	26.45		23.21	20.80	23.06		25.48
75		21.48	24.65		22.12	20.50	22.00		25.15
Avg.		22.3	27.0		23.7	21.3	24.2		25.4
100		20.80	22.81		21.72	20.20	21.22		24.61
150		20.40	20.48		20.98	19.54	20.30		22.31
200		19.77	19.67		20.07	19.25	19.29		20.75
250		19.05	18.96		19.06	18.65	18.50		19.51
300		18.50	18.49		18.67	18.23	18.15		18.72
Avg.		19.7	20.1		20.1	19.2	19.5		21.2
400		17.92	17.93		18.00	17.75	17.19		18.03
500		16.99	16.85		17.45	16.90	15.71		17.08
600						15.76	13.51		15.36
800						11.50			10.49
1000									
Avg.		17.5	17.4		17.7	15.5	15.5		15.2

Station Special 6

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		24.40	27.96		23.43	24.04	26.45		25.22
10		24.48	27.92		23.49	24.05	26.40		25.23
20		24.50	27.50		23.36	23.69	25.68		25.24
30		23.86	26.10		23.36	22.94	25.25		25.27
50		22.84	24.16		23.31	22.06	24.39		25.29
75		22.23	23.37		23.19	21.40	23.32		25.24
Avg.		23.7	26.2		23.4	23.0	25.2		25.2
100		21.34	22.47		22.81	20.75	22.50		25.15
150		20.05	20.67		21.50	20.02	21.21		21.33
200		19.44	19.58		19.50	19.48	19.55		20.30
250		18.90	18.98		18.70	18.80	17.69		19.25
300		18.43	18.40		18.29	18.19	16.09		18.64
Avg.		19.6	20.0		20.2	19.4	19.4		20.9
400		17.69	17.59		17.53	17.49	13.64		18.07
500		16.72	16.66		16.38	16.10	11.95		17.60
600		15.08	15.06		14.40	14.25	10.26		16.22
800					9.53	9.35	7.10		12.87
1000						5.99			
Avg.		16.5	16.4		14.5	12.6	10.7		16.2

Table 1.--Temperatures (°C), stations by cruise--Continued

Station Special 7

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		23.30	28.73		23.77	25.87	26.75		25.27
10		23.49	28.36		23.68	25.80	26.65		25.27
20		23.35	27.85		23.57	25.07	25.91		25.28
30		23.01	27.13		23.46	24.32	25.47		25.29
50		22.35	25.78		23.25	23.40	24.65		25.25
75		21.60	24.30		23.06	23.06	23.73		24.02
Avg.		22.9	27.0		23.5	24.6	25.5		25.1
100		20.88	23.19		22.85	22.59	22.98		22.96
150		19.60	21.38		22.03	21.37	21.97		21.31
200		18.78	20.08		20.23	20.14	20.09		19.93
250		18.37	19.15		19.40	19.14	19.07		19.10
300		18.05	18.75		18.78	18.54	18.57		18.37
Avg.		19.1	20.5		20.7	20.4	20.5		20.3
400		17.52	18.23		17.85	17.43	18.06		17.55
500		15.71	17.72		17.17	15.84	17.05		16.85
600		14.20	16.06		15.85	14.12	15.62		15.81
800		9.79			13.01	9.74	11.48		11.58
1000							7.11		
Avg.		14.3	17.3		16.0	14.3	13.9		15.4

Station Special 8

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		23.10	28.47			24.43	27.50		25.84
10		22.91	28.42			24.37	27.29		25.84
20		22.92	28.20			23.83	26.81		25.84
30		22.90	27.78			23.30	26.24		25.81
50		22.81	26.00			22.60	25.22		25.70
75		22.31	23.95			22.20	24.31		24.51
Avg.		22.8	27.1			23.5	26.2		25.6
100		21.92	22.55			21.80	23.44		23.27
150		21.32	21.03			20.68	21.79		20.80
200		19.35	19.80			19.09	20.09		19.28
250		18.69	18.81			17.77	19.00		18.69
300		18.08	18.12			16.74	18.36		18.19
Avg.		19.9	20.1			19.2	20.5		20.0
400		17.05	16.78			14.82	17.50		17.62
500		15.64	14.88			12.69	15.71		16.19
600		13.66	11.87			10.62	13.67		14.27
800		8.27				6.86	8.86		10.04
1000							4.65		
Avg.		13.7	14.5			11.2	12.1		14.5

Table 1.--Temperatures (°C), stations by cruise--Continued

Station Special 9

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		23.80	28.81	26.95	24.41	26.25	27.11	28.36	25.04
10		23.59	28.70	26.98	24.35	25.97	27.13	28.40	25.06
20		23.23	28.54	26.96	24.35	25.85	27.12	28.42	25.07
30		23.17	28.15	26.97	24.25	25.04	27.00	28.40	25.06
50		23.05	27.25	26.91	23.68	24.06	26.49	28.36	25.05
75		22.95	25.98	25.27	23.20	23.61	25.18	28.09	25.04
Avg.		23.3	27.9	26.7	24.0	25.1	26.7	28.3	25.1
100		22.57	24.76	23.87	22.77	23.07	23.63	23.53	24.90
150		21.08	22.50	21.71	22.10	21.84	21.58	21.63	22.01
200		19.55	20.63	20.22	21.20	20.59	19.98	19.66	19.79
250		19.17	19.30	19.23	19.25	19.31	19.05	19.00	18.71
300		18.66	18.61	18.55	18.70		18.45	18.49	18.22
Avg.		20.2	21.2	20.7	20.8	21.2	20.5	20.5	20.7
400		17.25	17.87	17.47	17.98		17.03	17.90	16.80
500		15.33	17.00	15.30	16.50		15.23	16.75	14.31
600		13.04	14.60	13.16	13.70		13.00	14.15	11.59
800							6.94		
1000									
Avg.		15.2	16.5	15.3	16.1		13.1	16.3	14.2

Station

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0									
10									
20									
30									
50									
75									
Avg.									
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 1

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.30	26.70	28.80	28.02	24.88	26.24	28.00	28.65	26.48
10	24.29	26.03	28.67	28.01	24.91	26.25	27.98	28.67	26.56
20	24.27	25.99	28.51	28.00	24.83	26.21	27.90	28.62	26.62
30	24.26	25.98	28.12	27.99	24.82	26.21	27.83	28.59	26.62
50	24.23	25.96	27.23	27.97	24.80	26.21	27.69	28.05	26.63
75	24.15	25.47	25.88	26.05	24.60	25.98	25.54	26.39	26.22
Avg.	24.3	26.0	27.9	27.7	24.8	26.2	27.5	28.2	26.5
100	24.01	24.57	24.57	23.90	24.16	25.68	23.74	24.83	25.85
150	22.02	21.59	22.09	21.91	21.64	22.42	21.23	22.11	23.04
200	20.36	19.05	20.05	20.13	19.47	20.06	18.79	20.35	19.87
250	19.11	17.11	19.11	18.34	18.67	18.86	18.29	19.62	17.92
300	18.02	15.40	18.37	17.33	17.94	17.75	17.50	18.66	17.24
Avg.	20.7	19.5	20.8	20.3	20.4	21.0	19.9	21.1	20.8
400	16.30	12.18	16.65	14.75	15.12	15.79	15.04	16.48	15.16
500	13.80					13.92	13.02		13.05
600						11.46			
800									
1000									
Avg.	15.1	12.2	16.7	14.7	15.1	13.7	14.0	16.5	14.1

Station 2

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.80	25.22	28.91	27.54	24.98	26.00	27.99	29.05	26.67
10	24.70	25.20	28.81	27.54	24.96	26.00	28.07	29.05	26.72
20	24.64	25.15	28.75	27.56	24.87	25.99	27.52	28.58	26.72
30	24.65	24.84	28.50	27.54	24.87	25.97	26.46	27.90	26.67
50	24.29	23.49	27.70	27.43	24.88	25.86	24.52	26.81	26.56
75	22.74	20.92	26.21	24.04	24.61	25.79	22.38	26.47	26.40
Avg.	24.3	24.1	28.1	26.9	24.9	25.9	26.2	28.0	26.6
100	21.14	17.94	24.42	21.49	24.30	25.15	20.65	25.73	25.82
150	18.23	12.61	20.77	18.95	20.03	22.13	18.41	23.06	21.61
200	16.29		17.98	17.06	16.48	17.57	16.84	19.79	18.23
250	14.72		14.87	15.61	15.36	15.91	14.84	17.88	16.06
300	12.97			13.88	13.84	14.27	12.69	16.09	14.25
Avg.	16.7	15.3	19.5	17.4	18.0	19.0	16.7	20.5	19.2
400	9.48			10.67	10.11	11.06	7.97	12.88	11.00
500						9.63		8.88	
600									
800									
1000									
Avg.	9.5			10.7	10.1	10.3	8.0	10.9	11.0

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 3

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	20.53	22.91	27.72	25.92	24.52	25.19	26.38	28.78	25.70
10	20.54	22.86	27.93	26.23		25.21	26.05	28.24	25.70
20									
30									
50									
75									
Avg.	20.5	22.9	27.8	26.1	24.5	25.2	26.2	28.5	25.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 4

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	19.70	22.86	27.52	26.44	24.32	24.60	27.10	28.92	25.33
10	19.49	22.82	27.10	26.20	24.26	24.59	26.02	28.18	24.79
20				26.19				27.97	24.29
30									
50									
75									
Avg.	19.6	22.8	27.3	26.3	24.3	24.6	26.6	28.4	24.8
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 5

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	20.73	23.90	27.94	26.42	24.55	24.99	27.24	29.24	25.58
10	20.40	23.56	25.60	26.59	24.50	23.98	26.85	28.97	25.46
20	18.81	20.70	22.20	26.88	24.50	21.02	24.49	28.28	24.90
30	15.93	18.99	21.02	26.99	22.06	19.24			24.54
50									
75									
Avg.	19.0	21.8	24.2	26.7	23.9	22.3	26.2	28.8	25.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 6

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.52	26.21	28.70	28.07	24.89	26.45	28.37	29.19	26.51
10	24.51	25.93	28.69	28.08	24.84	26.44	28.29	29.20	26.54
20	24.51	25.90	28.68	28.09	24.84	26.46	28.09	28.62	26.56
30	24.51	25.88	28.52	28.08	24.86	26.47	27.45	27.86	26.55
50	24.38	25.55	27.97	27.53	24.89	26.42	26.06	26.85	26.54
75	23.50	23.57	26.93	26.49	24.37	25.43	23.89	25.91	26.39
Avg.	24.3	25.5	28.2	27.7	24.8	26.3	27.0	27.9	26.5
100	22.80	21.66	25.70	24.96	23.47	22.51	22.10	25.18	26.24
150	21.96	18.93	21.48	21.22	20.51	19.65	19.49	23.01	22.08
200	18.83	16.90	18.85	18.81	17.73	16.78	17.42	18.53	18.69
250	14.56	14.42	15.96	17.51	16.45	13.87	16.34	14.95	16.74
300	11.48		12.86	16.20	14.98	11.01	14.81	12.30	15.00
Avg.	17.9	18.0	19.0	19.7	18.6	16.8	18.0	18.8	19.7
400				12.46	11.51				12.41
500									
600									
800									
1000									
Avg.				12.5	11.5				12.4

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 7

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.27	25.90	28.66	27.83	24.92	26.20	28.08	28.56	26.66
10	24.28	25.90	28.66	27.87	24.87	26.19	27.85	28.56	26.68
20	24.33	25.90	28.68	27.86	24.88	26.21	27.86	28.46	26.69
30	24.27	25.88	28.38	27.86	24.90	26.21	27.81	28.01	26.69
50	24.27	25.82	27.57	27.60	24.90	26.18	27.19	27.16	26.69
75	24.22	25.12	25.93	26.67	24.87	26.15	25.42	26.20	26.30
Avg.	24.3	25.8	28.0	27.6	24.9	26.2	27.4	27.8	26.6
100	24.11	23.93	24.38	25.45	24.65	25.80	23.82	25.28	25.75
150	22.35	21.13	22.21	22.14	22.44	22.57	21.13	21.60	22.33
200	20.41	19.64	19.90	19.97	20.18	20.50	19.39	20.17	19.43
250	18.17	18.36	18.72	18.68	18.79	18.82	18.62	19.21	18.00
300	16.44	17.15	18.36	18.07	17.74	17.49	17.73	18.12	16.60
Avg.	20.3	20.0	20.7	20.9	20.8	21.0	20.1	20.9	20.4
400		14.38	16.85	15.68	15.75	15.34	15.65	15.52	15.05
500			13.16	13.62				13.43	
600									
800									
1000									
Avg.		14.4	15.0	14.7	15.7	15.3	15.7	14.5	15.1

Station 8

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.44	25.90	28.82	27.98	24.80	26.27	27.65	28.36	26.54
10	24.48	25.93	28.81	27.98	24.70	26.27	27.65	28.40	26.55
20	24.48	25.96	28.50	27.99	24.74	26.25	27.66	28.34	26.57
30	24.47	25.96	28.03	27.99	24.77	26.20	27.61	27.76	26.59
50	24.46	25.93	27.35	27.92	24.77	26.05	27.19	26.91	26.58
75	24.40	24.74	26.85	27.27	24.58	25.87	25.94	26.58	26.15
Avg.	24.5	25.7	28.1	27.9	24.7	26.2	27.3	27.7	26.5
100	24.20	23.31	25.90	26.03	24.17	25.45	24.50	25.77	25.40
150	21.42	20.46	22.63	23.34	20.77	23.91	21.67	22.95	21.93
200	19.35	19.49	20.70	21.16	18.79	21.32	20.30	20.12	19.56
250	17.68	18.27	19.44	19.08	18.38	18.99	19.13	19.26	18.30
300	16.25	17.09	17.79	17.83	17.96	17.00	18.29	18.30	17.59
Avg.	19.8	19.7	21.3	21.5	20.0	21.3	20.8	21.3	20.6
400	13.73	14.65	15.38	15.51	16.38	14.03	16.66	16.14	15.97
500	11.42	11.91	12.66	11.66	12.87	11.09	12.74	13.13	14.27
600	9.30	9.56	10.19	8.49	9.80	9.11	9.85		11.68
800									
1000									
Avg.	11.5	12.0	12.7	11.9	13.0	11.4	13.1	14.6	14.0

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 9

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.65	29.12	28.15		26.44	28.40	28.97	26.51
10		25.66	29.04	28.13		26.43	28.10	28.92	26.53
20		25.65	28.94	28.12		26.47	27.91	28.80	26.56
30		25.60	28.56	28.12		26.48	27.89	28.13	26.59
50		24.59	27.91	28.10		26.47	27.14	27.14	26.59
75		22.56	26.72	27.53		26.15	25.53	26.40	26.46
Avg.		25.0	28.4	28.0		26.4	27.5	28.1	26.5
100		21.10	24.87	26.13		24.44	23.75	25.54	25.43
150		19.05	17.64	22.46		19.53	21.01	23.13	21.78
200		16.87		18.27		17.82	19.40	18.63	18.59
250				13.51		14.14	17.26	14.37	16.62
300							13.87	12.08	14.47
Avg.		19.0	21.3	20.1		19.0	19.1	18.7	19.4
400									
500									
600									
800									
1000									
Avg.									

Station 10

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		24.20	27.77	25.61	24.06	24.84	28.30	28.81	25.27
10		23.52	27.17	25.58	24.03	24.84	27.82	28.35	25.29
20		19.73	22.12	25.81	22.91	23.74	26.87	28.20	25.31
30						21.17			
50									
75									
Avg.		22.5	25.7	25.7	23.7	23.6	27.7	28.5	25.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 11

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	18.15	22.73	27.47	25.09	18.00	24.59	26.85	28.97	22.64
10	18.18							28.40	22.47
20									
30									
50									
75									
Avg.	18.2	22.7	27.5	25.1	18.0	24.6	26.9	28.7	22.6
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 12

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		21.37	27.28	24.64	17.84	23.97	26.66	28.29	22.85
10		21.13	27.29	24.75	17.89	23.71	26.32	27.86	22.52
20									
30									
50									
75									
Avg.		21.3	27.3	24.7	17.9	23.8	26.5	28.1	22.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 13

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0			27.18	24.11	17.40	23.21	26.59	28.61	21.39
10		21.65	27.14	24.18	17.38	22.91	26.56	28.16	20.92
20									
30									
50									
75									
Avg.		21.7	27.2	24.1	17.4	23.1	26.6	28.4	21.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 14

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		24.97	28.45	25.20	22.08	25.66	26.85	29.17	25.31
10		25.00	28.28	25.24	22.09	25.41	26.72	28.98	25.32
20		24.95	27.24	25.56	21.96	24.29	26.30	28.62	25.33
30		24.90	22.86	25.66	21.16	23.67	25.97	28.10	25.06
50			21.51	25.79	21.03	20.51	25.35	26.56	24.49
75									
Avg.		25.0	25.7	25.5	21.7	23.9	26.2	28.3	25.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 15

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		26.00	29.37	27.80	24.89	26.79	27.68	28.90	26.67
10		26.02	29.07	27.77	24.87	26.52	27.63	28.93	26.67
20		26.03	28.85	27.80	24.86	26.40	27.42	28.45	26.68
30		26.01	28.51	27.82	24.84	26.28	27.38	27.76	26.70
50		26.00	27.72	27.83	24.82	26.05	27.08	26.88	26.72
75		25.34	26.76	27.16	24.54	25.83	26.10	26.17	26.36
Avg.		25.9	28.4	27.7	24.8	26.3	27.2	27.8	26.6
100		24.68	26.01	26.06	24.26	25.25	24.70	25.67	25.87
150		22.20	24.26	22.60	21.05	21.95	21.85	23.27	21.94
200		19.88	21.52	19.85	18.70	18.87	19.97	19.33	18.92
250		19.07	18.25	17.89	17.86	16.70	17.99	16.07	17.21
300		18.19	14.70	16.23	16.72	15.05	14.98	13.65	15.39
Avg.		20.8	20.9	20.5	19.7	19.6	19.9	19.6	19.9
400		16.43	11.02	13.46	13.52	11.25	10.18	10.69	11.42
500		13.94		11.19	10.07	8.08	7.29		8.05
600		10.73		9.02	6.36				
800									
1000									
Avg.		13.7	11.0	11.2	10.0	9.7	8.7	10.7	9.7

Station 16

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.70	28.88	27.94	23.56	26.30	28.15	28.23	26.42
10		25.76	28.95	27.90	23.51	26.35	28.13	28.23	26.44
20		25.78	28.87	27.95	23.46	26.20	27.95	28.23	26.46
30		24.85	28.45	28.00	23.27	26.18	27.52	28.10	26.21
50		23.59	27.65	28.05	22.97	26.16	26.63	27.63	25.84
75		23.31	26.77	28.00	22.82	25.92	25.37	26.52	25.73
Avg.		24.8	28.3	28.0	23.3	26.2	27.3	27.8	26.2
100		22.88	25.82	27.61	22.64	25.36	24.22	25.27	25.63
150		21.48	23.34	23.83	22.16	23.43	22.22	22.38	20.27
200		19.92	21.27	21.18	19.95	21.94	20.65	19.93	18.99
250		19.08	19.71	19.07	18.96	19.79	19.43	18.97	18.57
300		18.32	18.40	17.81	18.20	18.13	18.41	18.27	18.08
Avg.		20.3	21.7	21.9	20.4	21.7	21.0	21.0	20.3
400		16.58	16.55	15.95	17.45	15.98	16.94	17.64	16.87
500		13.88	14.09	14.04	16.10	12.92	14.25	15.64	14.13
600		11.53	10.77	11.67	13.30	10.32	11.65	12.72	13.37
800			8.14						
1000									
Avg.		14.0	12.4	13.9	15.6	13.1	14.3	15.3	14.8

Station 17

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		26.00	29.04		23.78	26.10	28.54	28.45	26.56
10		25.96	28.90		23.76	26.16	27.88	28.37	26.57
20		25.51	28.67		23.73	26.03	27.95	28.36	26.58
30		24.77	28.39		23.58	25.94	27.65	28.30	26.59
50		23.83	27.78		23.29	25.79	27.07	28.06	26.59
75		23.08	26.94		22.92	25.60	26.66	26.24	26.51
Avg.		24.9	28.3		23.5	25.9	27.6	28.0	26.6
100		22.47	25.74		22.63	25.21	25.79	24.65	25.64
150		20.73	22.91		21.84	23.48	22.64	22.19	21.95
200		19.82	20.78		20.10	21.17	20.56	20.16	19.56
250		18.95	19.45		18.97	19.22	19.44	18.89	18.55
300		17.97	18.30		18.07	17.88	18.19	17.91	17.39
Avg.		20.0	21.4		20.3	21.4	21.3	20.8	20.6
400		15.54	16.22		16.40	15.89	15.27	15.92	14.70
500		12.84	12.70		14.68	13.96	13.54	12.94	11.91
600		9.93	9.85		12.03	11.49	11.69	10.00	8.99
800									
1000									
Avg.		12.8	12.9		14.4	13.8	13.5	13.0	11.9

Station 18

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.80	29.21	28.08	24.76		28.78	29.02	26.36
10		25.75	29.11	28.08	24.74		27.94	28.99	26.53
20		25.72	28.91	28.16	24.73		27.83	28.88	26.64
30		25.51	28.50	28.17	24.79		27.78	28.82	26.64
50		24.48	27.57	27.69	24.80		27.33	28.55	26.41
75		22.33	26.25	25.29	24.62		26.13	27.21	26.00
Avg.		24.9	28.3	27.6	24.7		27.6	28.6	26.4
100		20.32	24.75	22.91	24.28		24.42	25.90	25.77
150		18.33	19.67	19.07	22.03		20.82	21.68	22.69
200			14.30	16.78	17.28		17.84	16.13	15.62
250				15.17	13.70		15.06	12.10	11.24
300				13.80	11.25		12.56	10.53	8.51
Avg.		19.3	19.6	17.5	17.7		18.1	17.3	16.8
400				11.37	8.32			9.07	
500									
600									
800									
1000									
Avg.				11.4	8.3			9.1	

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 19

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		22.68	27.78	26.25	21.07		27.09	28.52	24.74
10		22.72	27.81	26.28	21.12		27.07	28.39	24.52
20		22.74	27.81	26.22	20.93		26.92	28.35	23.88
30		20.18	25.57	26.16	20.82		26.75	28.17	23.01
50									
75									
Avg.		22.1	27.2	26.2	21.0		27.0	28.4	24.0
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 20

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		21.75	27.49	24.91	17.70		27.01	28.15	22.22
10		21.74	27.30	24.94	17.66		27.01	28.19	22.15
20		21.30	27.23	24.93	17.93		26.74	28.16	21.99
30									
50									
75									
Avg.		21.6	27.3	24.9	17.8		26.9	28.2	22.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 21

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		21.11	27.34	23.64	15.22		27.56	28.33	19.63
10		21.03	26.81	24.44	15.37		27.52	28.33	18.00
20									
30									
50									
75									
Avg.		21.1	27.1	24.0	15.3		27.5	28.3	18.8
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 22

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		20.84	28.01	23.39	15.12		27.38	28.36	19.26
10		20.79	27.34		15.10		27.30	28.34	18.35
20									
30									
50									
75									
Avg.		20.8	27.7	23.4	15.1		27.3	28.3	18.8
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 23

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	16.11	20.75	28.20	24.14	14.39		27.71	28.38	18.08
10	15.73	20.55	27.67		14.01		27.59	28.41	17.88
20									
30									
50									
75									
Avg.	15.9	20.7	27.9	24.1	14.2		27.7	28.4	18.0
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 24

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	17.27	21.19	27.71	24.56	16.50		27.44	28.32	21.21
10	17.28	21.18	27.26	24.59	16.13		27.09	28.30	21.22
20	17.30	21.09	27.05	24.50					
30									
50									
75									
Avg.	17.3	21.2	27.3	24.5	16.3		27.3	28.3	21.2
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 25

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	18.18	21.62	27.99	25.96	20.47		27.93	28.18	23.65
10	18.19	21.65	27.72	25.99	20.41		27.29	28.14	23.66
20	18.22	21.17	26.16	25.99	20.34		27.20	28.11	23.53
30	18.16								
50									
75									
Avg.	18.2	21.5	27.3	26.0	20.4		27.5	28.1	23.6
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 26

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	20.94	23.24	28.10	26.98	21.36		28.38	28.31	26.17
10	20.91	23.23	28.15	27.02	21.34		27.78	28.43	26.17
20	20.91	23.16	27.84	27.05	21.16		27.46	28.30	26.20
30	20.55	22.94	27.43	27.04	20.70		26.54	27.90	26.18
50	18.00	21.51	24.96	26.77	20.09		24.80	27.25	26.13
75	12.02	18.02	19.72	26.04	19.93		22.82	26.69	26.05
Avg.	18.9	22.0	26.0	26.8	20.8		26.3	27.8	26.1
100	8.76	13.98	16.18	24.98	19.09		17.16	21.08	25.95
150	6.88			16.40					
200									
250									
300									
Avg.	7.8	14.0	16.2	20.7	19.1		17.2	21.1	25.9
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 27

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.70	29.03	27.80			28.24	28.78	26.51
10		25.65	28.94	27.86			28.06	28.78	26.51
20		25.63	28.65	27.85			27.93	28.69	26.51
30		25.62	28.41	27.85			27.51	28.42	26.53
50		24.80	27.53	27.39			26.77	27.64	26.55
75		23.30	26.19	25.21			25.95	26.53	26.55
Avg.		25.1	28.1	27.3			27.4	28.1	26.5
100		21.40	24.93	23.00			25.06	25.51	26.35
150		18.90	21.44	19.79			23.08	23.70	23.70
200		17.00	18.04	18.44			20.16	19.08	21.00
250		15.15	16.28	17.54			17.03	15.19	19.02
300			14.86	16.54			14.30	13.06	16.46
Avg.		18.1	19.1	19.1			19.9	19.3	21.3
400				14.14				10.19	10.05
500				11.25				8.59	7.44
600									
800									
1000									
Avg.				12.7				9.4	8.7

Station 28

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.80	28.88	27.69	23.49		28.39	28.21	25.94
10		25.75	28.86	27.77	23.46		28.39	28.21	25.93
20		25.68	28.84	27.75	23.44		28.19	28.21	25.93
30		25.63	28.32	27.62	23.47		27.99	27.95	25.91
50		24.39	27.33	27.06	23.49		27.04	27.38	25.77
75		22.61	26.26	25.32	23.41		25.59	26.59	25.40
Avg.		25.0	28.1	27.2	23.5		27.6	27.8	25.8
100		22.17	25.13	23.83	23.35		24.45	25.59	24.67
150		21.02	22.16	21.64	22.64		22.04	23.02	22.23
200		20.01	20.05	19.94	20.31		20.61	20.68	19.77
250		19.03	19.13	19.10	19.60		19.39	19.77	18.79
300		18.05	18.38	18.42	19.06		18.21	18.75	18.15
Avg.		20.1	21.0	20.6	21.0		20.9	21.6	20.7
400		16.05	16.80	17.57			16.02	16.36	16.69
500		13.95	15.38	16.11			14.06	13.54	14.20
600			13.92	13.54				10.96	11.93
800									
1000									
Avg.		15.0	15.4	15.7			15.0	13.6	14.3

Station 29

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.80	29.28	27.44			27.86	28.30	26.57
10		25.77	28.79	27.48			27.89	28.39	26.59
20		25.75	28.63	27.21			27.83	28.37	26.61
30		25.73	28.19	26.68			27.71	28.35	26.62
50		24.77	27.23	25.48			27.16	28.33	26.63
75		23.42	25.81	24.11			25.85	26.56	25.85
Avg.		25.2	28.0	26.4			27.4	28.1	26.5
100		22.28	24.36	22.60			23.43	24.95	25.09
150		20.31	21.11	20.31			20.95	22.22	22.08
200		19.61	19.17	19.41			19.78	19.86	20.03
250		18.70	18.80	18.84			18.69	19.21	19.05
300		17.61	18.11	18.32			17.36	18.63	17.95
Avg.		19.7	20.3	19.9			20.0	21.0	20.8
400		14.74	15.90	17.17				17.67	15.46
500		10.44	13.00	15.24				15.90	13.06
600			9.92	12.89				13.31	10.42
800									
1000									
Avg.		12.6	12.9	15.1				15.6	13.0

Station 30

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.20	29.26				28.65	28.83	26.50
10		24.98	29.36	27.85			23.64	28.88	26.52
20		24.86	29.00	27.81			28.08	28.90	26.54
30		24.53	28.57	27.80			27.35	28.91	26.56
50		23.79	27.42	27.79			26.20	28.15	26.56
75		22.18	25.48	24.55			24.81	26.70	26.53
Avg.		24.3	28.2	27.2			27.3	28.4	26.5
100		19.80	23.67	21.36			23.38	25.62	26.40
150		17.95	20.52	19.29			20.80	21.41	22.75
200		16.35	18.51	18.13			18.31	17.82	20.24
250		14.36	17.09	17.34			15.97	15.38	18.54
300		12.18	14.99	16.27			13.77	13.29	16.93
Avg.		16.1	19.0	18.5			18.4	18.7	21.0
400			11.78	13.26					10.05
500				9.13					
600									
800									
1000									
Avg.			11.8	11.2					10.1

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 31

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		22.74	28.70	26.37			27.94	27.67	
10		22.73	28.62	26.18			27.74	27.47	
20		22.66	28.47				27.42	23.50	
30		22.66	27.28				26.50	21.89	
50							22.84		
75									
Avg.		22.7	28.3	26.3			26.5	25.1	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 32

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	18.14	20.55	27.79	24.91			27.52	27.50	
10	18.15	20.52	27.73	24.69			26.73	27.54	
20	18.20	20.70	26.73	24.79			25.56	27.54	
30	18.15	20.81	26.67	24.81			25.45	27.52	
50									
75									
Avg.	18.2	20.6	27.2	24.8			26.3	27.5	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 33

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	15.61	19.93	27.73	24.25	15.48		27.61	27.92	
10	15.62	20.00	27.63	24.10	15.50		26.79	27.93	
20	15.65								
30									
50									
75									
Avg.	15.6	20.0	27.7	24.2	15.5		27.2	27.9	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 34

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	14.80	19.79	28.22	23.18	13.09		27.82	28.04	
10	14.83	19.80	28.16	23.36	13.01		27.82	28.07	
20									
30									
50									
75									
Avg.	14.8	19.8	28.2	23.3	13.1		27.8	28.1	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 35

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	14.20	22.11		23.66	12.76		28.03	28.18	16.98
10	14.11	20.90	28.70	23.67	13.15		27.99	28.20	16.86
20									
30									
50									
75									
Avg.	14.2	21.5	28.7	23.7	13.0		28.0	28.2	16.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 36

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	13.75	21.98	29.22	23.66	13.81		27.58	28.06	16.83
10	13.70	21.21	28.97	23.64	13.78		27.61	28.08	16.85
20									
30									
50									
75									
Avg.	13.7	21.6	29.1	23.7	13.8		27.6	28.1	16.8
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 37

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	16.27	22.78	28.01	24.14	14.40		27.41	28.02	19.34
10	16.21	21.97	27.97	24.11	14.38		26.68	27.85	19.35
20	16.24	21.23	26.52	24.20	14.35		26.47	27.78	19.38
30	16.23								
50									
75									
Avg.	16.2	22.0	27.5	24.1	14.4		26.9	27.9	19.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 38

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	19.40	23.34	28.66	25.13	18.05		27.52	27.93	23.68
10	19.21	23.26	28.58	25.11	18.02		27.37	27.90	23.72
20	18.95	22.33	28.43	25.04	18.01		26.89	27.72	23.74
30	17.93	18.27	25.05	25.02	18.02		25.71	27.45	23.70
50									
75									
Avg.	18.9	21.8	27.7	25.1	18.0		26.9	27.7	23.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 39

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.10	25.74	28.30	26.43	23.38		28.79	28.66	24.30
10	23.94	25.59	28.24	26.43	23.34		28.06	28.48	24.39
20	23.93	24.75	27.48	26.42	23.07		27.71	27.98	24.40
30	23.04	23.77	25.91	26.42	22.44		27.15	27.23	24.39
50	21.35	22.40	21.50	26.40	21.27		25.53	23.91	24.18
75	19.73	19.84	16.59	25.54	19.96		23.00	20.26	23:52
Avg.	22.7	23.7	24.7	26.3	22.2		26.7	26.1	24.2
100	18.69	16.59	14.53	21.85			20.37	17.93	22.52
150	16.64	13.40	11.57	17.99			16.83	16.58	18.54
200	14.63	10.90	9.58	16.25			14.46	15.36	14.30
250	12.63		8.37	14.72			12.42	11.72	11.29
300	10.76		7.95	13.24			10.78		9.39
Avg.	14.7	13.6	10.4	16.8			15.0	15.4	15.2
400				10.48					
500									
600									
800									
1000									
Avg.				10.5					

Station 40

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.47	26.77	29.28	26.40	23.97		29.64		25.32
10	24.46	26.71	29.11	26.42	23.90		28.28		25.34
20	24.46	26.54	29.08	26.44	23.89		28.16		25.37
30	24.46	26.31	28.59	26.44	23.91		27.91		25.38
50	24.43	25.40	27.63	26.38	23.94		27.10		25.36
75	23.65	23.86	26.66	26.22	23.94		25.71		25.15
Avg.	24.3	25.9	28.4	26.4	23.9		27.8		25.3
100	22.71	23.00	25.27	25.20	23.83		23.75		24.53
150	21.08	21.16	21.27	22.65	22.28		21.83		21.42
200		19.49	19.93	21.91	20.16		19.77		18.90
250		18.43	18.99	21.12	18.92		17.91		17.04
300		17.82	18.05	19.77	17.10		16.95		15.62
Avg.	21.9	20.0	20.7	22.1	20.5		20.0		19.5
400		15.50	16.19		12.48		14.81		
500			14.52						
600									
800									
1000									
Avg.		15.5	15.4		12.5		14.8		

Station 41

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.63	27.00	29.65	26.29	23.39		28.94		25.36
10	24.62	26.96	29.31	26.31	23.37		28.50		25.38
20	24.63	26.80	28.90	26.26	23.29		28.15		25.40
30	24.61	26.52	28.34	26.27	23.18		27.22		25.42
50	24.36	25.73	27.70	26.33	23.09		25.47		25.20
75	23.88	24.34	25.56	26.29	22.82		23.52		24.34
Avg.	24.5	26.2	28.2	26.3	23.2		27.0		25.2
100	23.20	22.49	23.57	25.27	21.14		20.56		22.54
150	21.30	19.29	18.41	21.73	16.92		15.45		20.30
200	19.42	15.99	15.39	18.97	14.15		12.84		16.70
250	18.44		12.77	15.85	12.25		11.40		12.74
300	17.62			13.61	11.05		10.30		10.84
Avg.	20.0	19.3	17.5	19.1	15.1		14.1		16.6
400					9.52				
500									
600									
800									
1000									
Avg.					9.5				

Station 42

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	17.16	22.16	28.95	26.10	21.60		27.46		24.02
10	17.09	21.89	28.38	26.15	21.32		27.47		24.04
20	17.14	20.94	24.77	26.09	20.37		26.43		24.02
30	17.11	19.05	22.71	25.89	19.90		23.39		23.30
50	17.02	16.57	19.22	25.45	18.96		18.69		21.95
75	15.59	14.84	16.04	24.85	17.77		17.20		20.46
Avg.	16.9	19.2	23.3	25.8	20.0		23.4		23.0
100		13.30	14.00	24.47			15.08		19.18
150									
200									
250									
300									
Avg.		13.3	14.0	24.5			15.1		19.2
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 43

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	16.55	22.63	28.32	24.34	17.95		27.51	27.47	19.84
10	16.50	22.34	27.96	24.38	17.46		27.50	27.55	19.87
20	16.54	20.12	26.39	24.31	16.93		26.98	27.31	19.88
30				24.36					
50									
75									
Avg.	16.5	21.7	27.6	24.3	17.4		27.3	27.4	19.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 44

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	13.39	22.01	28.26	22.20	12.46		27.69	27.30	16.53
10	13.40	19.59	28.32	22.23	12.52		27.21	27.32	16.56
20									
30									
50									
75									
Avg.	13.4	20.8	28.3	22.2	12.5		27.5	27.3	16.5
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 45

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	13.50	22.04	28.18	22.08			27.78	26.39	15.34
10	13.48	19.04	27.85	22.14			27.37		15.35
20									
30									
50									
75									
Avg.	13.5	20.5	28.0	22.1			27.6	26.4	15.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 46

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	13.30	22.31	28.19	21.74	12.45		28.56	26.17	15.85
10	13.16			21.80					15.95
20									
30									
50									
75									
Avg.	13.2	22.3	28.2	21.8	12.5		28.6	26.2	15.9
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 47

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	16.80	22.32	28.11	24.31	18.44		27.94	26.65	20.76
10	16.74	20.20	28.03	24.37	17.39		27.37	26.22	20.79
20	16.74	18.06	25.54	24.30	17.17		26.87	26.08	19.67
30									
50									
75									
Avg.	16.8	20.2	27.2	24.3	17.7		27.4	26.3	20.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 48

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	19.71	24.25	28.62	25.47	19.41		27.63	27.65	22.46
10	19.61	24.13	28.61	25.52	19.17		27.25	27.56	22.50
20	19.66	22.58	27.81	25.49	19.10		26.89	27.44	22.26
30	18.64	21.11	24.74	25.48	19.09		25.34	25.20	22.24
50	16.88	18.71	19.81	25.45	18.96		22.44	20.97	22.08
75	13.62	17.20	16.93	25.14	18.60		18.89	15.76	21.83
Avg.	18.0	21.3	24.4	25.4	19.1		24.7	24.1	22.2
100	12.25	15.86	14.59	24.70	17.98		16.35	11.82	20.96
150	11.18	13.73	11.51	16.73	15.97		14.27	7.76	17.36
200	10.69	10.46					12.86	7.45	
250		8.53							
300		6.76							
Avg.	11.4	11.1	13.1	20.7	17.0		14.5	9.0	19.2
400									
500									
600									
800									
1000									
Avg.									

Station 49

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	23.64	23.77	28.69	26.23	23.27		27.77	28.33	23.82
10	23.59	23.76	28.70	26.31	23.24		27.65	28.32	23.39
20	22.35	23.58	28.64	26.25	23.23		27.27	28.32	23.09
30	20.70	22.52	28.59	26.24	22.91		25.71	28.31	22.97
50	18.34	19.96	27.38	26.20	21.26		22.90	28.22	22.73
75	17.81	16.42	24.82	23.89	19.73		19.84	26.08	22.43
Avg.	21.1	21.7	27.8	25.9	22.3		25.2	27.9	23.1
100	17.30	14.63	21.71	21.32	18.52		17.59	23.05	20.76
150	15.23	12.39	14.21	17.89	16.96		15.56	16.12	15.76
200	12.45	9.25		15.82	15.46		13.58		12.81
250	9.78	7.11		14.48	13.85		11.84		11.17
300				13.37			10.34		
Avg.	13.7	10.8	18.0	16.6	16.2		13.8	19.6	15.1
400									
500									
600									
800									
1000									
Avg.									

Station 50

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.20		29.30	26.24	23.91		28.63	28.26	25.49
10	24.15		29.32	26.25	23.91		28.58	28.29	25.51
20	24.18		29.33	26.21	23.87		27.62	28.25	25.54
30	24.19		29.01	26.20	23.87		26.95	28.24	25.56
50	24.15		28.23	26.20	23.84		26.04	28.09	25.57
75	24.01		26.99	25.50	23.46		25.31	27.07	25.57
Avg.	24.1		28.7	26.1	23.8		27.2	28.0	25.5
100	23.32		25.00	24.93	22.49		21.21	24.98	25.37
150	20.63		21.65	22.70	21.05		16.38	21.19	22.99
200	18.51		20.59	21.37	18.77		14.40	19.60	19.78
250	16.83		18.52	18.99	16.56		12.62	18.70	15.65
300	15.45		17.26	16.88	15.40		10.93	17.86	12.25
Avg.	18.9		20.6	21.0	18.9		15.1	20.5	19.2
400	13.18		15.75	15.22	11.80			15.73	8.49
500	11.06		12.78	13.99				13.55	
600				11.24					
800									
1000									
Avg.	12.1		14.3	13.5	11.8			14.6	8.5

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 51

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.03		29.14	26.44	21.46		27.42	28.29	24.23
10	23.91		29.19	26.50	21.51		27.45	28.28	24.24
20	23.93		29.06	26.22	21.47		26.40	28.27	24.25
30	23.96		28.70	26.19	21.15		24.50	28.28	24.27
50	23.50		27.75	26.09	20.55		21.40	28.28	23.85
75	21.90		26.60	25.49	19.99		18.31	28.27	23.23
Avg.	23.5		28.4	26.2	21.0		24.2	28.3	24.0
100	19.90		25.69	24.32	18.56		15.79	27.98	21.63
150	16.19		23.75	20.86	14.39		13.09	26.63	16.81
200	14.23		22.24	18.23	12.49		11.38	20.90	13.26
250			20.81	16.57	10.85		10.15	16.02	10.77
300			19.42	15.13	9.49		9.39	12.59	9.52
Avg.	16.8		22.4	19.0	13.2		12.0	20.8	14.4
400				12.45	7.56		7.68	9.18	
500				9.11	6.46				
600									
800									
1000									
Avg.				10.8	7.0		7.7	9.2	

Station 52

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	19.12		29.19	25.52	20.89		27.54	27.22	22.55
10	18.94		29.25	25.62	20.92		27.51	27.14	22.57
20	18.94		29.23	25.60	20.75		26.30	27.10	22.58
30	18.19		29.08	25.58	20.26		23.54	24.93	22.58
50	15.23		27.65	25.47	19.42		19.32	21.06	22.57
75	13.25			22.48	18.91		17.68	16.87	19.79
Avg.	17.3		28.9	25.0	20.2		23.6	24.1	22.1
100	12.35			20.05	18.18		16.30	14.04	17.25
150	10.88			16.85	16.09		14.36	12.45	12.86
200	9.84			14.58	12.59		12.19	11.63	9.53
250	9.38			12.90	11.23		10.34	10.36	9.04
300				12.11	10.18		8.81	8.64	8.75
Avg.	10.6			15.3	13.7		12.4	11.4	11.5
400									
500									
600									
800									
1000									
Avg.									

Station 53

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	20.18	24.57	28.11	25.67	19.85		27.71	28.02	22.79
10	20.08	24.59	28.16	25.71	19.80		27.27	27.68	22.81
20	19.73	24.60	28.52	25.71	19.78		26.27	27.62	22.80
30	18.04	23.99	26.47	25.70	19.72		24.66	24.82	22.79
50	17.18	22.62	22.75	25.69	19.61		21.90	20.30	22.78
75	14.73	20.42	18.77	25.00	18.74		19.53	17.64	19.54
Avg.	18.3	23.5	25.5	25.6	19.6		24.6	24.3	22.3
100	13.25	18.36	16.00	22.99	17.86		17.65	15.33	17.28
150	11.14	14.64		18.80	16.11		15.40	11.76	15.72
200									
250									
300									
Avg.	12.2	16.5	16.0	20.9	17.0		16.5	13.5	16.5
400									
500									
600									
800									
1000									
Avg.									

Station 54

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	14.12	22.03	28.16	24.39	18.56		27.53	26.67	21.34
10	15.55	22.04	27.91	24.35	18.53		27.51	26.24	21.38
20	15.62	21.00	24.79	23.75	17.41		27.06	26.18	21.26
30									
50									
75									
Avg.	15.1	21.7	27.0	24.2	18.2		27.4	26.4	21.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 55

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	13.35	22.35	28.47	21.96	14.30		27.18	26.25	16.68
10	13.29	20.34	28.22	21.90	14.02		27.17	26.22	16.68
20									
30									
50									
75									
Avg.	13.3	21.3	28.3	21.9	14.2		27.2	26.2	16.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 56

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		21.26	28.80	21.04	10.97		27.98	25.58	13.61
10									
20									
30									
50									
75									
Avg.		21.3	28.8	21.0	11.0		28.0	25.6	13.6
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 57

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	12.10	21.47	28.23	21.96			27.66	25.88	16.38
10	14.14	21.00	28.57	21.88			27.68	25.91	16.40
20									
30									
50									
75									
Avg.	13.1	21.2	28.4	21.9			27.7	25.9	16.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 58

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	12.67	21.24	28.31	21.58	14.22		27.29	25.67	16.44
10	12.81	19.41	28.28	21.57	14.16		27.19	25.71	16.45
20									
30									
50									
75									
Avg.	12.7	20.3	28.3	21.6	14.2		27.2	25.7	16.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 59

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	18.10	21.39	27.56	22.21	17.58		26.80	25.39	21.38
10	18.21	21.00	27.53	21.99	17.59		26.80	25.50	21.41
20	18.22				17.56		24.37		21.08
30									
50									
75									
Avg.	18.2	21.2	27.5	22.1	17.6		26.0	25.4	21.3
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 60

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	20.38	21.75	27.91	25.50			27.51	27.84	22.72
10	20.24	21.73	27.85	25.52			27.40	27.90	22.73
20	19.99	22.41	27.79	25.53			27.29	27.77	22.75
30	19.88	21.11	24.72	25.59			25.44	24.79	22.75
50	17.40	19.15	20.11	25.61			22.48	19.94	22.74
75	16.71	17.89	18.07	24.73			20.84	16.75	21.91
Avg.	19.1	20.7	24.4	25.4			25.2	24.2	22.6
100	15.87	16.00	16.38	23.45			19.44	14.32	20.74
150		14.12	13.67	19.65			17.35	11.74	17.38
200		12.33					14.97	9.45	15.38
250									
300									
Avg.	15.9	14.1	15.0	21.5			17.3	11.8	17.8
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 61

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	20.17	24.08	27.91	24.68	20.28		28.19	28.16	25.03
10	20.10	23.61	27.93	24.74	20.29		28.19	28.06	25.04
20	19.36	23.58	27.92	24.72	20.26		27.37	27.92	25.03
30	19.14	21.29	27.91	24.72	20.25		26.12	27.70	24.99
50	17.87	17.25	24.43	24.84	20.24		23.80	25.99	24.65
75	17.30	13.22	19.13	23.56	19.69		21.24	22.68	23.54
Avg.	19.0	20.5	25.9	24.5	20.2		25.8	26.8	24.7
100	16.57	11.15	16.37	22.44	18.07		18.99	19.04	21.74
150	12.81	9.72	13.09	20.70	13.96		15.39	14.38	18.89
200	11.26	8.82	11.79	17.82	12.13		13.66	11.55	14.80
250	9.64	8.25	10.48	16.12	10.22		12.05	9.86	13.27
300		7.93		14.52	8.68		10.72		11.15
Avg.	12.6	9.2	12.9	18.3	12.6		14.2	13.7	16.0
400		7.59		11.65			8.89		
500									
600									
800									
1000									
Avg.		7.6		11.7			8.9		

Station 62

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.16	26.00	28.81	24.88	21.05		27.88	28.23	25.34
10	24.14	25.80	28.81	24.92	21.09		27.90	28.26	25.38
20	24.15	25.75	28.66	24.91	21.07		27.49	28.25	25.38
30	24.14	25.48	28.34	24.86	20.98		26.75	28.24	25.37
50	24.13	24.66	27.95	24.69	20.78		24.14	28.13	25.34
75	23.97	22.99	27.25	24.29	20.52		21.36	27.55	25.29
Avg.	24.1	25.1	28.3	24.8	20.9		25.9	28.1	25.3
100	23.31	21.56	26.11	23.92	19.10		19.41	26.18	24.27
150	21.50	19.87	22.52	21.48	15.06		16.60	23.38	20.64
200	19.55	17.79	19.55	19.50	12.61		15.24	20.96	18.85
250	18.55	17.00	17.11	18.20	10.79		13.59	18.50	17.56
300	17.67	16.37	13.68	16.96	9.73		12.34	17.30	16.46
Avg.	20.1	18.5	19.8	20.0	13.5		15.4	21.3	19.6
400	15.75	15.19		14.64	7.84		10.23	14.39	14.19
500	13.12			12.15	6.06			10.37	11.40
600	9.99			9.87				7.38	
800									
1000									
Avg.	13.0	15.2		12.2	6.9		10.2	10.7	12.8

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 63

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.04	28.42	25.79	22.47		27.94	27.94	25.32
10		24.90	28.44	25.76	22.49		27.97	28.13	25.36
20		24.79	28.08	25.75	22.52		27.71	28.12	25.38
30		24.69	27.52	25.76	22.45		27.23	28.08	25.39
50		23.49	26.69	25.79	21.87		25.86	27.75	25.39
75		21.35	25.25	25.14	20.21		24.52	26.77	25.39
Avg.		24.0	27.4	25.7	22.0		26.9	27.8	25.4
100		18.15	23.09	24.30	18.49		23.42	24.68	24.97
150		14.77	19.29	21.15	15.06		20.64	21.29	21.66
200			16.34	19.04	12.53		18.95	19.51	19.49
250			14.34	18.52	11.05		18.07	18.22	17.98
300			12.67	17.96	9.74		17.27	16.98	15.02
Avg.		16.5	17.1	20.2	13.4		19.7	20.1	19.8
400				16.73	7.87		14.69	12.95	10.17
500				14.91	7.03				
600				12.07	5.97				
800									
1000									
Avg.				14.6	7.0		14.7	12.9	10.2

Station 64

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		23.62	27.62	25.47	21.39		28.28	28.31	
10		23.55	27.95	25.51	21.40		28.30	28.29	
20		19.50	27.91	25.49	21.36		27.88	28.26	
30		19.20	26.36	25.46	21.09		27.09	28.27	
50		18.69	23.58	25.42	20.59		25.50	28.00	
75			20.73	25.40	20.14		23.67	26.71	
Avg.		20.9	25.7	25.5	21.0		26.8	28.0	
100			18.41	25.37	19.16		22.21	24.55	
150			15.21	23.81	16.18		18.90	17.60	
200			13.21	20.22	13.44		16.30	13.33	
250			11.90	17.59					
300				14.37					
Avg.			14.7	20.3	16.3		19.1	18.5	
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 65

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		21.94	27.71	24.84	20.75		27.36	26.59	22.13
10		21.98	27.56	24.85	20.76		27.31	26.61	22.15
20		21.69	27.55	24.86	20.73		26.92	26.57	22.12
30		20.17	25.76	24.65	20.64		25.40	26.59	22.15
50									
75									
Avg.		21.4	27.1	24.8	20.7		26.7	26.6	22.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 66

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		21.20	27.07	20.73	18.26		27.16	25.85	18.73
10		20.83	27.18	20.78	18.24		27.15	25.85	18.76
20		19.46	23.99	20.75	14.30		25.90		18.76
30									
50									
75									
Avg.		20.5	26.1	20.8	16.9		26.7	25.9	18.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 67

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		20.63	27.79	18.96	12.14		27.23	25.85	15.67
10		19.50	27.73	18.96	11.91		27.23	25.73	15.64
20									
30									
50									
75									
Avg.		20.1	27.8	19.0	12.0		27.2	25.8	15.7
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 68

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		21.14	27.45	19.02	14.00		27.25	25.96	14.39
10		20.32	27.48	19.06	13.12		27.93	25.65	14.45
20									
30									
50									
75									
Avg.		20.7	27.5	19.0	13.6		27.6	25.8	14.4
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 69

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	13.64	21.02	27.53	15.85	11.43		27.06	26.32	13.14
10	13.56	20.29	27.57	17.23	11.51		27.14	25.54	13.16
20									
30									
50									
75									
Avg.	13.6	20.7	27.5	16.5	11.5		27.1	25.9	13.1
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 70

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	15.90	20.78	27.47	19.81	18.45		26.88	26.49	18.70
10	15.20	20.14	27.48	19.83	18.45		26.64	25.92	18.58
20	14.54	19.21	27.34	19.87	18.41		24.82	25.89	18.58
30									
50									
75									
Avg.	15.2	20.0	27.4	19.8	18.4		26.1	26.1	18.6
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 71

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	20.81	25.23	28.15		21.60		27.88	26.77	22.31
10	20.37	25.27	28.19		21.60		28.01	26.72	22.30
20	20.00	25.00	28.15		21.49		27.77	26.71	22.26
30	19.74	24.90	25.96		21.23		27.12	26.54	22.23
50		24.36	22.39		20.78		25.73	25.62	22.18
75		23.06	19.42		20.38		23.83	21.73	22.11
Avg.	20.2	24.6	25.4		21.2		26.7	25.7	22.2
100		21.48			20.14		21.76	15.13	22.03
150									
200									
250									
300									
Avg.		21.5			20.1		21.8	15.1	22.0
400									
500									
600									
800									
1000									
Avg.									

Station 72

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	24.15	25.40	28.70				28.18	28.27	24.65
10	24.12	25.44	28.69				28.20	28.26	24.64
20	24.11	25.23	28.69				28.22	28.22	24.62
30	24.08	24.42	28.44				27.27	28.23	24.53
50	23.95	23.25	26.62				25.59	28.23	24.37
75	23.36	21.60	24.22				23.99	27.68	24.22
Avg.	24.0	24.2	27.6				26.9	28.1	24.5
100	22.64	19.85	22.14				22.32	26.27	23.61
150	20.72	14.95	19.48				19.22	21.82	21.60
200	19.03	13.58	17.49				17.80	17.54	19.00
250	17.85	12.80					16.69	13.19	17.53
300	16.84	12.02					15.18		14.60
Avg.	19.4	14.6	19.7				18.2	19.7	19.3
400	15.00	8.88					11.55		
500	13.14						9.09		
600									
800									
1000									
Avg.	14.1	8.9					10.3		

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 73

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.74					27.12	28.09	
10		25.74					27.16	28.17	
20		25.77					27.17	28.15	
30		25.67					27.18	28.15	
50		25.21					24.84	28.09	
75		23.75					22.08	27.98	
Avg.		25.3					25.9	28.1	
100		22.63					20.54	27.00	
150		21.39					19.16	25.33	
200		20.08					18.45	20.48	
250		18.80					18.24	15.30	
300		18.18					17.81	12.90	
Avg.		20.2					18.8	20.2	
400		16.31					17.03	10.19	
500							15.31	8.89	
600							13.28	7.83	
800							8.98		
1000									
Avg.		16.3					13.7	9.0	

Station 74

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	23.44	25.98					27.70	26.81	
10	23.57	25.98					27.72	26.81	
20	23.50	25.98					27.75	26.72	
30	23.40	25.63					26.99	26.61	
50	23.15	24.85					25.59	25.65	
75	22.45	23.66					24.06	21.78	
Avg.	23.3	25.3					26.6	25.7	
100	20.85	22.48					22.67	17.90	
150	17.13	20.10					20.32	14.36	
200		18.29					18.67	12.31	
250		17.29					18.13	11.13	
300		15.46					16.64	10.05	
Avg.	19.0	18.7					19.3	13.1	
400		11.79					13.59	8.21	
500		7.35					10.30	6.21	
600		5.33					6.44		
800		4.18							
1000		4.00							
Avg.		6.5					10.1	7.2	

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 75

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	16.87	21.25	28.31	23.71	21.59			26.67	
10	16.94	21.24	28.31	23.73	21.59			26.72	
20	17.15	20.74	28.43	23.67	20.89			26.51	
30		19.99	25.12	23.35	20.17			23.50	
50									
75									
Avg.	17.0	20.8	27.5	23.6	21.1			25.9	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 76

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		19.85	27.34	17.34	15.58		25.14		
10		19.84	27.25	17.37	16.56		25.08		
20									
30									
50									
75									
Avg.		19.8	27.3	17.4	16.1		25.1		
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 77

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0	14.65	20.05	27.15	16.52	14.77		25.02	25.79	
10		20.04	27.23	16.50	14.76		24.96	25.84	
20			26.94		16.05		24.59	25.43	
30									
50									
75									
Avg.	14.7	20.0	27.1	16.5	15.2		24.9	25.7	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Station 78

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		19.96					26.42	25.98	
10		19.94					26.58	25.68	
20		19.76					26.29	24.80	
30									
50									
75									
Avg.		19.9					26.4	25.5	
100									
150									
200									
250									
300									
Avg.									
400									
500									
600									
800									
1000									
Avg.									

Table 1.--Temperatures (°C), stations by cruise--Continued

Station 79

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.35					27.31	28.27	
10		25.36					27.46	28.15	
20		25.38					27.43	28.10	
30		25.37					27.46	27.88	
50		24.66					26.92	26.67	
75		22.98					24.47	25.81	
Avg.		24.9					26.8	27.5	
100		21.41					22.85	20.64	
150		18.50					21.03	15.46	
200		15.85					19.70	13.64	
250		13.48					18.66	12.36	
300		11.41					17.98	10.10	
Avg.		16.1					20.0	14.4	
400							14.48		
500							10.38		
600							7.21		
800									
1000									
Avg.							10.7		

Station 80

Depth (m)	Cruise 1	2	3	4	5	6	7	8	9
0		25.69					27.57	28.16	
10		25.65					27.59	28.16	
20		25.64					27.55	28.10	
30		25.64					27.03	28.07	
50		25.40					25.84	27.82	
75		23.63					23.95	26.73	
Avg.		25.3					26.6	27.8	
100		22.30					22.56	25.27	
150		20.83					20.77	21.85	
200		19.73					19.10	20.08	
250		19.00					18.48	19.09	
300		18.27					18.07	16.61	
Avg.		20.0					19.8	20.6	
400		16.88					17.51	13.86	
500		15.03					15.78		
600		12.44					12.62		
800		7.15					8.78		
1000		4.73					5.67		
Avg.		11.2					12.1	13.9	

Table 2.--Temperatures (°C), by section, cruise 1

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	20.53	24.80	24.30	20.73	24.52	24.27
10	20.54	24.70	24.29	20.40	24.51	24.28
20		24.64	24.27	18.81	24.51	24.33
30		24.65	24.26	15.93	24.51	24.27
50		24.29	24.23		24.38	24.27
75		22.74	24.15		23.50	24.22
Avg.	20.5	24.3	24.3	19.0	24.3	24.3
100		21.14	24.01		22.80	24.11
150		18.23	22.02		21.96	22.35
200		16.29	20.36		18.83	20.41
250		14.72	19.11		14.56	18.17
300		12.97	18.02		11.48	16.44
Avg.		16.7	20.7		17.9	20.3
400		9.48	16,30			
500			13.80			
600						
Avg.		9.5	15.1			

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	18.15			24.44				
10	18.18			24.48				
20				24.48				
30				24.47				
50				24.46				
75				24.40				
Avg.	18.2			24.5				
100				24.20				
150				21.42				
200				19.35				
250				17.68				
300				16.25				
Avg.				19.8				
400				13.73				
500				11.42				
600				9.30				
800								
Avg.				11.5				

Table 2 -- Temperatures (°C), by section, cruise 1--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0					
10					
20					
30					
50					
75					
Avg.					
100					
150					
200					
250					
300					
Avg.					
400					
500					
600					
Avg.					

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	16.11	17.27	18.18	20.94		
10	15.73	17.28	18.19	20.91		
20		17.30	18.22	20.91		
30			18.16	20.55		
50				18.00		
75				12.02		
Avg.	15.9	17.3	18.2	18.9		
100				8.76		
150				6.88		
200						
250						
300						
Avg.				7.8		
400						
500						
600						
Avg.						

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	14.80	15.61	18.14			
10	14.83	15.62	18.15			
20		15.65	18.20			
30			18.15			
50						
75						
Avg.	14.8	15.6	18.2			
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
Avg.						

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	13.75	16.27	19.40	24.10	24.47
10	13.70	16.21	19.21	23.94	24.46
20		16.24	18.95	23.93	24.46
30		16.23	17.93	23.04	24.46
50				21.35	24.43
75				19.73	23.65
Avg.	13.7	16.2	18.9	22.7	24.3
100				18.69	22.71
150				16.64	21.08
200				14.63	
250				12.63	
300				10.76	
Avg.				14.7	21.9
400					
500					
600					
Avg.					

Table 2.--Temperatures (°C), by section, cruise 1--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	13.39	16.55	17.16	24.63	24.47
10	13.40	16.50	17.09	24.62	24.46
20		16.54	17.14	24.63	24.46
30			17.11	24.61	24.46
50			17.02	24.36	24.43
75			15.59	23.88	23.65
Avg.	13.4	16.5	16.9	24.5	24.3
100				23.20	22.71
150				21.30	21.08
200				19.42	
250				18.44	
300				17.62	
Avg.				20.0	21.9
400					
500					
600					
Avg.					

Cape Romain Section

Depth (m)	Stations 46	47	48	49	50
0	13.30	16.80	19.71	23.64	24.20
10	13.16	16.74	19.61	23.59	24.15
20		16.74	19.66	22.35	24.18
30			18.64	20.70	24.19
50			16.88	18.34	24.15
75			13.62	17.81	24.01
Avg.	13.2	16.8	18.0	21.1	24.1
100			12.25	17.30	23.32
150			11.18	15.23	20.63
200			10.69	12.45	18.51
250				9.78	16.83
300					15.45
Avg.			11.4	13.7	18.9
400					13.18
500					11.06
600					
Avg.					12.1

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0		13.35	14.12	20.18	19.12	24.03
10		13.29	15.55	20.08	18.94	23.91
20			15.62	19.73	18.94	23.93
30				18.04	18.19	23.96
50				17.18	15.23	23.50
75				14.73	13.25	21.90
Avg.		13.3	15.1	18.3	17.3	23.5
100				13.25	12.35	19.90
150				11.14	10.88	16.19
200					9.84	14.23
250					9.38	
300						
Avg.				12.2	10.6	16.8
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m)	Stations 58	59	60	61	62
0	12.67	18.10	20.38	20.17	24.16
10	12.81	18.21	20.24	20.10	24.14
20		18.22	19.99	19.36	24.15
30			19.88	19.14	24.14
50			17.40	17.87	24.13
75			16.71	17.30	23.97
Avg.	12.7	18.2	19.1	19.0	24.1
100			15.87	16.57	23.31
150				12.81	21.50
200				11.26	19.55
250				9.64	18.55
300					17.67
Avg.			15.9	12.6	20.1
400					15.75
500					13.12
600					9.99
Avg.					13.0

Table 2.--Temperatures (°C), by section, cruise 1--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0					
10					
20					
30					
50					
75					
Avg.					
100					
150					
200					
250					
300					
Avg.					
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	13.64	15.90	20.81	24.15
10	13.56	15.20	20.37	24.12
20		14.54	20.00	24.11
30			19.74	24.08
50				23.95
75				23.36
Avg.	13.6	15.2	20.2	24.0
100				22.64
150				20.72
200				19.03
250				17.85
300				16.84
Avg.				19.4
400				15.00
500				13.14
600				
Avg.				14.1

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0		16.87	23.44	
10		16.94	23.57	
20		17.15	23.50	
30			23.40	
50			23.15	
75			22.45	
Avg.		17.0	23.3	
100			20.85	
150			17.13	
200				
250				
300				
Avg.			19.0	
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m)	Stations 78	79	80

Table 3.--Temperatures (°C), by section, cruise 2

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	22.91	25.22	26.70	23.90	26.21	25.90
10	22.86	25.20	26.03	23.56	25.93	25.90
20		25.15	25.99	20.70	25.90	25.90
30		24.84	25.98	18.99	25.88	25.88
50		23.49	25.96		25.55	25.82
75		20.92	25.47		23.57	25.12
Avg.	22.9	24.1	26.0	21.8	25.5	25.8
100		17.94	24.57		21.66	23.93
150		12.61	21.59		18.93	21.13
200			19.05		16.90	19.64
250			17.11		14.42	18.36
300			15.40			17.15
Avg.		15.3	19.5		18.0	20.0
400			12.18			14.38
500						
600						
Avg.			12.2			14.4

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	22.73	24.20	25.65	25.90		24.97	26.00	25.70
10		23.52	25.66	25.93	21.65	25.00	26.02	25.76
20		19.73	25.65	25.96		24.95	26.03	25.78
30			25.60	25.96		24.90	26.01	24.85
50			24.59	25.93			26.00	23.59
75			22.56	24.74			25.34	23.31
Avg.	22.7	22.5	25.0	25.7	21.7	25.0	25.9	24.8
100			21.10	23.31			24.68	22.88
150			19.05	20.46			22.20	21.48
200			16.87	19.49			19.88	19.92
250				18.27			19.07	19.08
300				17.09			18.19	18.32
Avg.			19.0	19.7			20.8	20.3
400				14.65			16.43	16.58
500				11.91			13.94	13.88
600				9.56			10.73	11.53
800								
Avg.				12.0			13.7	14.0

Table 3.--Temperatures (°C), by section, cruise 2--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	21.11	21.75	22.68	25.80	26.00
10	21.03	21.74	22.72	25.75	25.96
20		21.30	22.74	25.72	25.51
30			20.18	25.51	24.77
50				24.48	23.83
75				22.33	23.08
Avg.	21.1	21.6	22.1	24.9	24.9
100				20.32	22.47
150				18.33	20.73
200					19.82
250					18.95
300					17.97
Avg.				19.3	20.0
400					15.54
500					12.84
600					9.93
Avg.					12.8

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	20.75	21.19	21.62	23.24	25.70	25.80
10	20.55	21.18	21.65	23.23	25.65	25.75
20		21.09	21.17	23.16	25.63	25.68
30				22.94	25.62	25.63
50				21.51	24.80	24.39
75				18.02	23.30	22.61
Avg.	20.7	21.2	21.5	22.0	25.1	25.0
100				13.98	21.40	22.17
150					18.90	21.02
200					17.00	20.01
250					15.15	19.03
300						18.05
Avg.				14.0	18.1	20.1
400						16.05
500						13.95
600						
Avg.						15.0

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	19.79	19.93	20.55	22.74	25.20	25.80
10	19.80	20.00	20.52	22.73	24.98	25.77
20			20.70	22.66	24.86	25.75
30			20.81	22.66	24.53	25.73
50					23.79	24.77
75					22.18	23.42
Avg.	19.8	20.0	20.6	22.7	24.3	25.2
100					19.80	22.28
150					17.95	20.31
200					16.35	19.61
250					14.36	18.70
300					12.18	17.61
Avg.					16.1	19.7
400						14.74
500						10.44
600						
Avg.						12.6

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	21.98	22.78	23.34	25.74	26.77
10	21.21	21.97	23.26	25.59	26.71
20		21.23	22.33	24.75	26.54
30			18.27	23.77	26.31
50				22.40	25.40
75				19.84	23.86
Avg.	21.6	22.0	21.8	23.7	25.9
100				16.59	23.00
150				13.40	21.16
200				10.90	19.49
250					18.43
300					17.82
Avg.				13.6	20.0
400					15.50
500					
600					
Avg.					15.5

Table 3.--Temperatures (°C), by section, cruise 2--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	22.01	22.63	22.16	27.00	26.77
10	19.59	22.34	21.89	26.96	26.71
20		20.12	20.94	26.80	26.54
30			19.05	26.52	26.31
50			16.57	25.73	25.40
75			14.84	24.34	23.86
Avg.	20.8	21.7	19.2	26.2	25.9
100			13.30	22.49	23.00
150				19.29	21.16
200				15.99	19.49
250					18.43
300					17.82
Avg.			13.3	19.3	20.0
400					15.50
500					
600					
Avg.					15.5

Cape Romain Section

Stations 46	47	48	49	50
22.31	22.32	24.25	23.77	
	20.20	24.13	23.76	
	18.06	22.58	23.58	
		21.11	22.52	
		18.71	19.96	
		17.20	16.42	
22.3	20.2	21.3	21.7	
		15.86	14.63	
		13.73	12.39	
		10.46	9.25	
		8.53	7.11	
		6.76		
		11.1	10.8	

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	21.26	22.35	22.03	24.57		
10		20.34	22.04	24.59		
20			21.00	24.60		
30				23.99		
50				22.62		
75				20.42		
Avg.	21.3	21.3	21.7	23.5		
100				18.36		
150				14.64		
200						
250						
300						
Avg.				16.5		
400						
500						
600						
Avg.						

Cape Fear Section

Stations 58	59	60	61	62
21.24	21.39	21.75	24.08	26.00
19.41	21.00	21.73	23.61	25.80
		22.41	23.58	25.75
		21.11	21.29	25.48
		19.15	17.25	24.66
		17.89	13.22	22.99
20.3	21.2	20.7	20.5	25.1
		16.00	11.15	21.56
		14.12	9.72	19.87
		12.33	8.82	17.79
			8.25	17.00
			7.93	16.37
		14.1	9.2	18.5
			7.59	15.19
			7.6	15.2

Table 3.--Temperatures (°C), by section, cruise 2--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	20.63	21.20	21.94	23.62	25.04
10	19.50	20.83	21.98	23.55	24.90
20		19.46	21.69	19.50	24.79
30			20.17	19.20	24.69
50				18.69	23.49
75					21.35
Avg.	20.1	20.5	21.4	20.9	24.0
100					18.15
150					14.77
200					
250					
300					
Avg.					16.5
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	21.02	20.78	25.23	25.40
10	20.29	20.14	25.27	25.44
20		19.21	25.00	25.23
30			24.90	24.42
50			24.36	23.25
75			23.06	21.60
Avg.	20.7	20.0	24.6	24.2
100			21.48	19.85
150				14.95
200				13.58
250				12.80
300				12.02
Avg.			21.5	14.6
400				8.88
500				
600				
Avg.				8.9

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0	19.85	21.25	25.98	25.74
10	19.84	21.24	25.98	25.74
20		20.74	25.98	25.77
30		19.99	25.63	25.67
50			24.85	25.21
75			23.66	23.75
Avg.	19.8	20.8	25.3	25.3
100			22.48	22.63
150			20.10	21.39
200			18.29	20.08
250			17.29	18.80
300			15.46	18.18
Avg.			18.7	20.2
400			11.79	16.31
500			7.35	
600			5.33	
800			4.18	
1000			4.00	
Avg.			6.5	16.3

Hatteras Section

Depth (m)	Stations 78	79	80
0	19.96	25.35	25.69
10	19.94	25.36	25.65
20	19.76	25.38	25.64
30		25.37	25.64
50		24.66	25.40
75		22.98	23.63
Avg.	19.9	24.9	25.3
100		21.41	22.30
150		18.50	20.83
200		15.85	19.73
250		13.48	19.00
300		11.41	18.27
Avg.		16.1	20.0
400			16.88
500			15.03
600			12.44
800			7.15
1000			4.73
Avg.			11.2

Table 4.--Temperatures (°C), by section, cruise 3

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	27.72	28.91	28.80	27.94	28.70	28.66
10	27.93	28.81	28.67	25.60	28.69	28.66
20		28.75	28.51	22.20	28.68	28.68
30		28.50	28.12	21.02	28.52	28.38
50		27.70	27.23		27.97	27.57
75		26.21	25.88		26.93	25.93
Avg.	27.8	28.1	27.9	24.2	28.2	28.0
100		24.42	24.57		25.70	24.38
150		20.77	22.09		21.48	22.21
200		17.98	20.05		18.85	19.90
250		14.87	19.11		15.96	18.72
300			18.37		12.86	18.36
Avg.		19.5	20.8		19.0	20.7
400			16.65			16.85
500						13.16
600						
Avg.			16.7			15.0

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	27.47	27.77	29.12	28.82	27.18	28.45	29.37	28.88
10		27.17	29.04	28.81	27.14	28.28	29.07	28.95
20		22.12	28.94	28.50		27.24	28.85	28.87
30			28.56	28.03		22.86	28.51	28.45
50			27.91	27.35		21.51	27.72	27.65
75			26.72	26.85			26.76	26.77
Avg.	27.5	25.7	28.4	28.1	27.2	25.7	28.4	28.3
100			24.87	25.90			26.01	25.82
150			17.64	22.63			24.26	23.34
200				20.70			21.52	21.27
250				19.44			18.25	19.71
300				17.79			14.70	18.40
Avg.			21.3	21.3			20.9	21.7
400				15.38			11.02	16.55
500				12.66				14.09
600				10.19				10.77
800								8.14
Avg.				12.7			11.0	12.4

Table 4.--Temperatures (°C), by section, cruise 3--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	27.34	27.49	27.78	29.21	29.04
10	26.81	27.30	27.81	29.11	28.90
20		27.23	27.81	28.91	28.67
30			25.57	28.50	28.39
50				27.57	27.78
75				26.25	26.94
Avg.	27.1	27.3	27.2	28.3	28.3
100				24.75	25.74
150				19.67	22.91
200				14.30	20.78
250					19.45
300					18.30
Avg.				19.6	21.4
400					16.22
500					12.70
600					9.85
Avg.					12.9

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	28.20	27.71	27.99	28.10	29.03	28.88
10	27.67	27.26	27.72	28.15	28.94	28.86
20		27.05	26.16	27.84	28.65	28.84
30				27.43	28.41	28.32
50				24.96	27.53	27.33
75				19.72	26.19	26.26
Avg.	27.9	27.3	27.3	26.0	28.1	28.1
100				16.18	24.93	25.13
150					21.44	22.16
200					18.04	20.05
250					16.28	19.13
300					14.86	18.38
Avg.				16.2	19.1	21.0
400						16.80
500						15.38
600						13.92
Avg.						15.4

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	28.22	27.73	27.79	28.70	29.26	29.28
10	28.16	27.63	27.73	28.62	29.36	28.79
20			26.73	28.47	29.00	28.63
30			26.67	27.28	28.57	28.19
50					27.42	27.23
75					25.48	25.81
Avg.	28.2	27.7	27.2	28.3	28.2	28.0
100					23.67	24.36
150					20.52	21.11
200					18.51	19.17
250					17.09	18.80
300					14.99	18.11
Avg.					19.0	20.3
400					11.78	15.90
500						13.00
600						9.92
Avg.					11.8	12.9

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	29.22	28.01	28.66	28.30	29.28
10	28.97	27.97	28.58	28.24	29.11
20		26.52	28.43	27.48	29.08
30			25.05	25.91	28.59
50				21.50	27.63
75				16.59	26.66
Avg.	29.1	27.5	27.7	24.7	28.4
100				14.53	25.27
150				11.57	21.27
200				9.58	19.93
250				8.37	18.99
300				7.95	18.05
Avg.				10.4	20.7
400					16.19
500					14.52
600					
Avg.					15.4

Table 4.--Temperatures (°C), by section, cruise 3--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	28.26	28.32	28.95	29.65	29.28
10	28.32	27.96	28.38	29.31	29.11
20		26.39	24.77	28.90	29.08
30			22.71	28.34	28.59
50			19.22	27.70	27.63
75			16.04	25.56	26.66
Avg.	28.3	27.6	23.3	28.2	28.4
100			14.00	23.57	25.27
150				18.41	21.27
200				15.39	19.93
250				12.77	18.99
300					18.05
Avg.			14.0	17.5	20.7
400					16.19
500					14.52
600					
Avg.					15.4

Cape Romain Section

Depth (m)	Stations 46	47	48	49	50
0	28.19	28.11	28.62	28.69	29.30
10		28.03	28.61	28.70	29.32
20		25.54	27.81	28.64	29.33
30			24.74	28.59	29.01
50			19.81	27.38	28.23
75			16.93	24.82	26.99
Avg.	28.2	27.2	24.4	27.8	28.7
100			14.59	21.71	25.00
150			11.51	14.21	21.65
200					20.59
250					18.52
300					17.26
Avg.			13.1	18.0	20.6
400					15.75
500					12.78
600					
Avg.					14.3

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	28.80	28.47	28.16	28.11	29.19	29.14
10		28.22	27.91	28.16	29.25	29.19
20			24.79	28.52	29.23	29.06
30				26.47	29.08	28.70
50				22.75	27.65	27.75
75				18.77		26.60
Avg.	28.8	28.3	27.0	25.5	28.9	28.4
100				16.00		25.69
150						23.75
200						22.24
250						20.81
300						19.42
Avg.				16.0		22.4
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m)	Stations 58	59	60	61	62
0	28.31	27.56	27.91	27.91	28.81
10	28.28	27.53	27.85	27.93	28.81
20			27.79	27.92	28.66
30			24.72	27.91	28.34
50			20.11	24.43	27.95
75			18.07	19.13	27.25
Avg.	28.3	27.5	24.4	25.9	28.3
100			16.38	16.37	26.11
150			13.67	13.09	22.52
200				11.79	19.55
250				10.48	17.11
300					13.68
Avg.			15.0	12.9	19.8
400					
500					
600					
Avg.					

Table 4.--Temperatures (°C), by section, cruise 3--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	27.79	27.07	27.71	27.62	28.42
10	27.73	27.18	27.56	27.95	28.44
20		23.99	27.55	27.91	28.08
30			25.76	26.36	27.52
50				23.58	26.69
75				20.73	25.25
Avg.	27.8	26.1	27.1	25.7	27.4
100				18.41	23.09
150				15.21	19.29
200				13.21	16.34
250				11.90	14.34
300					12.67
Avg.				14.7	17.1
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	27.53	27.47	28.15	28.70
10	27.57	27.48	28.19	28.69
20		27.34	28.15	28.69
30			25.96	28.44
50			22.39	26.62
75			19.42	24.22
Avg.	27.5	27.4	25.4	27.6
100				22.14
150				19.48
200				17.49
250				
300				
Avg.				19.7

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0	27.34	28.31		
10	27.25	28.31		
20		28.43		
30		25.12		
50				
75				
Avg.	27.3	27.5		
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m)	Stations 78	79	80

Table 5.--Temperatures (°C), by section, cruise 4

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	25.92	27.54	28.02	26.42	28.07	27.83
10	26.23	27.54	28.01	26.59	28.08	27.87
20		27.56	28.00	26.88	28.09	27.86
30		27.54	27.99	26.99	28.08	27.86
50		27.43	27.97		27.53	27.60
75		24.04	26.05		26.49	26.67
Avg.	26.1	26.9	27.7	26.7	27.7	27.6
100		21.49	23.90		24.96	25.45
150		18.95	21.91		21.22	22.14
200		17.06	20.13		18.81	19.97
250		15.61	18.34		17.51	18.68
300		13.88	17.33		16.20	18.07
Avg.		17.4	20.3		19.7	20.9
400		10.67	14.75		12.46	15.68
500						13.62
600						
Avg.		10.7	14.7		12.5	14.7

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	25.09	25.61	28.15	27.98	24.11	25.20	27.80	27.94
10		25.58	28.13	27.98	24.18	25.24	27.77	27.90
20		25.81	28.12	27.99		25.56	27.80	27.95
30			28.12	27.99		25.66	27.82	28.00
50			28.10	27.92		25.79	27.83	28.05
75			27.53	27.27			27.16	28.00
Avg.	25.1	25.7	28.0	27.9	24.1	25.5	27.7	28.0
100			26.13	26.03			26.06	27.61
150			22.46	23.34			22.60	23.83
200			18.27	21.16			19.85	21.18
250			13.51	19.08			17.89	19.07
300				17.83			16.23	17.81
Avg.			20.1	21.5			20.5	21.9
400				15.51			13.46	15.95
500				11.66			11.19	14.04
600				8.49			9.02	11.67
800								
Avg.				11.9			11.2	13.9

Table 5.--Temperatures (°C), by section, cruise 4--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	23.64	24.91	26.25	28.08	
10	24.44	24.94	26.28	28.08	
20		24.93	26.22	28.16	
30			26.16	28.17	
50				27.69	
75				25.29	
Avg.	24.0	24.9	26.2	27.6	
100				22.91	
150				19.07	
200				16.78	
250				15.17	
300				13.80	
Avg.				17.5	
400				11.37	
500					
600					
Avg.				11.4	

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	24.14	24.56	25.96	26.98	27.80	27.69
10		24.59	25.99	27.02	27.86	27.77
20		24.50	25.99	27.05	27.85	27.75
30				27.04	27.85	27.62
50				26.77	27.39	27.06
75				26.04	25.21	25.32
Avg.	24.1	24.5	26.0	26.8	27.3	27.2
100				24.98	23.00	23.83
150				16.40	19.79	21.64
200					18.44	19.94
250					17.54	19.10
300					16.54	18.42
Avg.				20.7	19.1	20.6
400					14.14	17.57
500					11.25	16.11
600						13.54
Avg.					12.7	15.7

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	23.18	24.25	24.91	26.37		27.44
10	23.36	24.10	24.69	26.18	27.85	27.48
20			24.79		27.81	27.21
30			24.81		27.80	26.68
50					27.79	25.48
75					24.55	24.11
Avg.	23.3	24.2	24.8	26.3	27.2	26.4
100					21.36	22.60
150					19.29	20.31
200					18.13	19.41
250					17.34	18.84
300					16.27	18.32
Avg.					18.5	19.9
400					13.26	17.17
500					9.13	15.24
600						12.89
Avg.					11.2	15.1

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	23.66	24.14	25.13	26.43	26.40
10	23.64	24.11	25.11	26.43	26.42
20		24.20	25.04	26.42	26.44
30			25.02	26.42	26.44
50				26.40	26.38
75				25.54	26.22
Avg.	23.7	24.1	25.1	26.3	26.4
100				21.85	25.20
150				17.99	22.65
200				16.25	21.91
250				14.72	21.12
300				13.24	19.77
Avg.				16.8	22.1
400				10.48	
500					
600					
Avg.				10.5	

Table 5.--Temperatures (°C), by section, cruise 4--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	22.20	24.34	26.10	26.29	26.40
10	22.23	24.38	26.15	26.31	26.42
20		24.31	26.09	26.26	26.44
30		24.36	25.89	26.27	26.44
50			25.45	26.33	26.38
75			24.85	26.29	26.22
Avg.	22.2	24.3	25.8	26.3	26.4
100			24.47	25.27	25.20
150				21.73	22.65
200				18.97	21.91
250				15.85	21.12
300				13.61	19.77
Avg.			24.5	19.1	22.1

Cape Romain Section

Stations 46	47	48	49	50
21.74	24.31	25.47	26.23	26.24
21.80	24.37	25.52	26.31	26.25
	24.30	25.49	26.25	26.21
		25.48	26.24	26.20
		25.45	26.20	26.20
		25.14	23.89	25.50
21.8	24.3	25.4	25.9	26.1
		24.70	21.32	24.93
		16.73	17.89	22.70
			15.82	21.37
			14.48	18.99
			13.37	16.88
		20.7	16.6	21.0
				15.22
				13.99
				11.24
				13.5

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	21.04	21.96	24.39	25.67	25.52	26.44
10		21.90	24.35	25.71	25.62	26.50
20			23.75	25.71	25.60	26.22
30				25.70	25.58	26.19
50				25.69	25.47	26.09
75				25.00	22.48	25.49
Avg.	21.0	21.9	24.2	25.6	25.0	26.2
100				22.99	20.05	24.32
150				18.80	16.85	20.86
200					14.58	18.23
250					12.90	16.57
300					12.11	15.13
Avg.				20.9	15.3	19.0
400						12.45
500						9.11
600						
Avg.						10.8

Cape Fear Section

Stations 58	59	60	61	62
21.58	22.21	25.50	24.68	24.88
21.57	21.99	25.52	24.74	24.92
		25.53	24.72	24.91
		25.59	24.72	24.86
		25.61	24.84	24.69
		24.73	23.56	24.29
21.6	22.1	25.4	24.5	24.8
		23.45	22.44	23.92
		19.65	20.70	21.48
			17.82	19.50
			16.12	18.20
			14.52	16.96
		21.5	18.3	20.0
			11.65	14.64
				12.15
				9.87
			11.7	12.2

Table 5.--Temperatures (°C), by section, cruise 4--Continued

Depth (m)	Onslow Bay Section Stations 67	66	65	64	63	Cape Lookout Section Stations 69	70	71	72
0	18.96	20.73	24.84	25.47	25.79	15.85	19.81		
10	18.96	20.78	24.85	25.51	25.76	17.23	19.83		
20		20.75	24.86	25.49	25.75		19.87		
30			24.65	25.46	25.76				
50				25.42	25.79				
75				25.40	25.14				
Avg.	19.0	20.8	24.8	25.5	25.7	16.5	19.8		
100				25.37	24.30				
150				23.81	21.15				
200				20.22	19.04				
250				17.59	18.52				
300				14.37	17.96				
Avg.				20.3	20.2				
400					16.73				
500					14.91				
600					12.07				
Avg.					14.6				

Depth (m)	Raleigh Bay Section Stations 76	75	74	73	Hatteras Section Stations 78	79	80
0	17.34	23.71					
10	17.37	23.73					
20		23.67					
30		23.35					
50							
75							
Avg.	17.4	23.6					
100							
150							
200							
250							
300							
Avg.							
400							
500							
600							
800							
1000							
Avg.							

Table 6.--Temperatures (°C), by section, cruise 5

Jupiter Section

Depth (m)	Stations 3	2	1
0	24.52	24.98	24.88
10		24.96	24.91
20		24.87	24.83
30		24.87	24.82
50		24.88	24.80
75		24.61	24.60
Avg.	24.5	24.9	24.8
100		24.30	24.16
150		20.03	21.64
200		16.48	19.47
250		15.36	18.67
300		13.84	17.94
Avg.		18.0	20.4
400		10.11	15.12
500			
600			
Avg.		10.1	15.1

Vero Section

Stations 5	6	7
24.55	24.89	24.92
24.50	24.84	24.87
24.50	24.84	24.88
22.06	24.86	24.90
	24.89	24.90
	24.37	24.87
23.9	24.8	24.9
	23.47	24.65
	20.51	22.44
	17.73	20.18
	16.45	18.79
	14.98	17.74
	18.6	20.8
	11.51	15.75
	11.5	15.7

Canaveral Section

Depth (m)	Stations 11	10	9	8
0	18.00	24.06		24.80
10		24.03		24.70
20		22.91		24.74
30				24.77
50				24.77
75				24.58
Avg.	18.0	23.7		24.7
100				24.17
150				20.77
200				18.79
250				18.38
300				17.96
Avg.				20.0
400				16.38
500				12.87
600				9.80
800				
Avg.				13.0

Ponce de Leon Section

Stations 13	14	15	16
17.40	22.08	24.89	23.56
17.38	22.09	24.87	23.51
	21.96	24.86	23.46
	21.16	24.84	23.27
	21.03	24.82	22.97
		24.54	22.82
17.4	21.7	24.8	23.3
		24.26	22.64
		21.05	22.16
		18.70	19.95
		17.86	18.96
		16.72	18.20
		19.7	20.4
		13.52	17.45
		10.07	16.10
		6.36	13.30
		10.0	15.6

Table 6.--Temperatures (°C), by section, cruise 5--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	15.22	17.70	21.07	24.76	23.78
10	15.37	17.66	21.12	24.74	23.76
20		17.93	20.93	24.73	23.73
30			20.82	24.79	23.58
50				24.80	23.29
75				24.62	22.92
Avg.	15.3	17.8	21.0	24.7	23.5
100				24.28	22.63
150				22.03	21.84
200				17.28	20.10
250				13.70	18.97
300				11.25	18.07
Avg.				17.7	20.3
400				8.32	16.40
500					14.68
600					12.03
Avg.				8.3	14.4

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	14.39	16.50	20.47	21.36		23.49
10	14.01	16.13	20.41	21.34		23.46
20			20.34	21.16		23.44
30				20.70		23.47
50				20.09		23.49
75				19.93		23.41
Avg.	14.2	16.3	20.4	20.8		23.5
100				19.09		23.35
150						22.64
200						20.31
250						19.60
300						19.06
Avg.				19.1		21.0

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	13.09	15.48				
10	13.01	15.50				
20						
30						
50						
75						
Avg.	13.1	15.5				
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
Avg.						

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	13.81	14.40	18.05	23.38	23.97
10	13.78	14.38	18.02	23.34	23.90
20		14.35	18.01	23.07	23.89
30			18.02	22.44	23.91
50				21.27	23.94
75				19.96	23.94
Avg.	13.8	14.4	18.0	22.2	23.9
100					23.83
150					22.28
200					20.16
250					18.92
300					17.10
Avg.					20.5
400					12.48
500					
600					
Avg.					12.5

Table 6.--Temperatures (°C), by section, cruise 5--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	12.46	17.95	21.60	23.39	23.97
10	12.52	17.46	21.32	23.37	23.90
20		16.93	20.37	23.29	23.89
30			19.90	23.18	23.91
50			18.96	23.09	23.94
75			17.77	22.82	23.94
Avg.	12.5	17.4	20.0	23.2	23.9
100				21.14	23.83
150				16.92	22.28
200				14.15	20.16
250				12.25	18.92
300				11.05	17.10
Avg.				15.1	20.5
400				9.52	12.48
500					
600					
Avg.				9.52	12.5

Cape Romain Section

Stations 46	47	48	49	50
12.45	18.44	19.41	23.27	23.91
	17.39	19.17	23.24	23.91
	17.17	19.10	23.23	23.87
		19.09	22.91	23.87
		18.96	21.26	23.84
		18.60	19.73	23.46
12.5	17.7	19.1	22.3	23.8
		17.98	18.52	22.49
		15.97	16.96	21.05
			15.46	18.77
			13.85	16.56
				15.40
		17.0	16.2	18.9
				11.80
				11.8

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	10.97	14.30	18.56	19.85	20.89	21.46
10		14.02	18.53	19.80	20.92	21.51
20			17.41	19.78	20.75	21.47
30				19.72	20.26	21.15
50				19.61	19.42	20.55
75				18.74	18.91	19.99
Avg.	11.0	14.2	18.2	19.6	20.2	21.0
100				17.86	18.18	18.56
150				16.11	16.09	14.39
200					12.59	12.49
250					11.23	10.85
300					10.18	9.49
Avg.				17.0	13.7	13.2
400						7.56
500						6.46
600						
Avg.						7.0

Cape Fear Section

Stations 58	59	60	61	62
14.22	17.58		20.28	21.05
14.16	17.59		20.29	21.09
	17.56		20.26	21.07
			20.25	20.98
			20.24	20.78
			19.69	20.52
14.2	17.6		20.2	20.9
			18.07	19.10
			13.96	15.06
			12.13	12.61
			10.22	10.79
			8.68	9.73
			12.6	13.5
				7.84
				6.06
				6.9

Table 6.--Temperatures (°C), by section, cruise 5--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	12.14	18.26	20.75	21.39	22.47
10	11.91	18.24	20.76	21.40	22.49
20		14.30	20.73	21.36	22.52
30			20.64	21.09	22.45
50				20.59	21.87
75				20.14	20.21
Avg.	12.0	16.9	20.7	21.0	22.0
100				19.16	18.49
150				16.18	15.06
200				13.44	12.53
250					11.05
300					9.74
Avg.				16.3	13.4
400					7.87
500					7.03
600					5.97
Avg.					7.0

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	11.43	18.45	21.60	
10	11.51	18.45	21.60	
20		18.41	21.49	
30			21.23	
50			20.78	
75			20.38	
Avg.	11.5	18.4	21.2	
100			20.14	
150				
200				
250				
300				
Avg.			20.1	
400				
500				
600				
Avg.				

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0	15.58	21.59		
10	16.56	21.59		
20		20.89		
30		20.17		
50				
75				
Avg.	16.1	21.1		
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m)	Stations 78	79	80

Table 7.--Temperatures (°C), by section, cruise 6

Jupiter Section

Depth (m)	Stations 3	2	1
0	25.19	26.00	26.24
10	25.21	26.00	26.25
20		25.99	26.21
30		25.97	26.21
50		25.86	26.21
75		25.79	25.98
Avg.	25.2	25.9	26.2
100		25.15	25.68
150		22.13	22.42
200		17.57	20.06
250		15.91	18.86
300		14.27	17.75
Avg.		19.0	21.0
400		11.06	15.79
500		9.63	13.92
600			11.46
Avg.		10.3	13.7

Vero Section

Stations 5	6	7
24.99	26.45	26.20
23.98	26.44	26.19
21.02	26.46	26.21
19.24	26.47	26.21
	26.42	26.18
	25.43	26.15
22.3	26.3	26.2
	22.51	25.80
	19.65	22.57
	16.78	20.50
	13.87	18.82
	11.01	17.49
	16.8	21.0
		15.34
		15.3

Canaveral Section

Depth (m)	Stations 11	10	9	8
0	24.59	24.84	26.44	26.27
10		24.84	26.43	26.27
20		23.74	26.47	26.25
30		21.17	26.48	26.20
50			26.47	26.05
75			26.15	25.87
Avg.	24.6	23.6	26.4	26.2
100			24.44	25.45
150			19.53	23.91
200			17.82	21.32
250			14.14	18.99
300				17.00
Avg.			19.0	21.3
400				14.03
500				11.09
600				9.11
800				
Avg.				11.4

Ponce de Leon Section

Stations 13	14	15	16
23.21	25.66	26.79	26.30
22.91	25.41	26.52	26.35
	24.29	26.40	26.20
	23.67	26.28	26.18
	20.51	26.05	26.16
		25.83	25.92
23.1	23.9	26.3	26.2
		25.25	25.36
		21.95	23.43
		18.87	21.94
		16.70	19.79
		15.05	18.13
		19.6	21.7
		11.25	15.98
		8.08	12.92
			10.32
		9.7	13.1

Table 7.--Temperatures (°C), by section, cruise 6--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0					26.10
10					26.16
20					26.03
30					25.94
50					25.79
75					25.60
Avg.					25.9
100					25.21
150					23.48
200					21.17
250					19.22
300					17.88
Avg.					21.4
400					15.89
500					13.96
600					11.49
Avg.					13.8

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
Avg.						

Savannah Section

Depth (m)	Stations 36	37	38	39	40

Table 8.--Temperatures (°C), by section, cruise 7

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	26.38	27.99	28.00	27.24	28.37	28.08
10	26.05	28.07	27.98	26.85	28.29	27.85
20		27.52	27.90	24.49	28.09	27.86
30		26.46	27.83		27.45	27.81
50		24.52	27.69		26.06	27.19
75		22.38	25.54		23.89	25.42
Avg.	26.2	26.2	27.5	26.2	27.0	27.4
100		20.65	23.74		22.10	23.82
150		18.41	21.23		19.49	21.13
200		16.84	18.79		17.42	19.39
250		14.84	18.29		16.34	18.62
300		12.69	17.50		14.81	17.73
Avg.		16.7	19.9		18.0	20.1
400		7.97	15.04			15.65
500			13.02			
600						
Avg.		8.0	14.0			15.7

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	26.85	28.30	28.40	27.65	26.59	26.85	27.68	28.15
10		27.82	28.10	27.65	26.56	26.72	27.63	28.13
20		26.87	27.91	27.66		26.30	27.42	27.95
30			27.89	27.61		25.97	27.38	27.52
50			27.14	27.19		25.35	27.08	26.63
75			25.53	25.94			26.10	25.37
Avg.	26.9	27.7	27.5	27.3	26.6	26.2	27.2	27.3
100			23.75	24.50			24.70	24.22
150			21.01	21.67			21.85	22.22
200			19.40	20.30			19.97	20.65
250			17.26	19.13			17.99	19.43
300			13.87	18.29			14.98	18.41
Avg.			19.1	20.8			19.9	21.0
400				16.66			10.18	16.94
500				12.74			7.29	14.25
600				9.85				11.65
800								
Avg.				13.1			8.7	14.3

Table 8.--Temperatures (°C), by section, cruise 7--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	27.56	27.01	27.09	28.78	28.54
10	27.52	27.01	27.07	27.94	27.88
20		26.74	26.92	27.83	27.95
30			26.75	27.78	27.65
50				27.33	27.07
75				26.13	26.66
Avg.	27.5	26.9	27.0	27.6	27.6
100				24.42	25.79
150				20.82	22.64
200				17.84	20.56
250				15.06	19.44
300				12.56	18.19
Avg.				18.1	21.3
400					15.27
500					13.54
600					11.69
Avg.					13.5

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	27.71	27.44	27.93	28.38	28.24	28.39
10	27.59	27.09	27.29	27.78	28.06	28.39
20			27.20	27.46	27.93	28.19
30				26.54	27.51	27.99
50				24.80	26.77	27.04
75				22.82	25.95	25.59
Avg.	27.7	27.3	27.5	26.3	27.4	27.6
100				17.16	25.06	24.45
150					23.08	22.04
200					20.16	20.61
250					17.03	19.39
300					14.30	18.21
Avg.				17.2	19.9	20.9
400						16.02
500						14.06
600						
Avg.						15.0

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	27.82	27.61	27.52	27.94	28.65	27.86
10	27.82	26.79	26.73	27.74	28.64	27.89
20			25.56	27.42	28.08	27.83
30			25.45	26.50	27.35	27.71
50				22.84	26.20	27.16
75					24.81	25.85
Avg.	27.8	27.2	26.3	26.5	27.3	27.4
100					23.38	23.43
150					20.80	20.95
200					18.31	19.78
250					15.97	18.69
300					13.77	17.36
Avg.					18.4	20.0
400						
500						
600						
Avg.						

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	27.58	27.41	27.52	28.79	29.64
10	27.61	26.68	27.37	28.06	28.28
20		26.47	26.89	27.71	28.16
30			25.71	27.15	27.91
50				25.53	27.10
75				23.00	25.71
Avg.	27.6	26.9	26.9	26.7	27.8
100				20.37	23.75
150				16.83	21.83
200				14.46	19.77
250				12.42	17.91
300				10.78	16.95
Avg.				15.0	20.0
400					14.81
500					
600					
Avg.					14.8

Table 8.--Temperatures (°C), by section, cruise 7--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	27.69	27.51	27.46	28.94	29.64
10	27.21	27.50	27.47	28.50	28.28
20		26.98	26.43	28.15	28.16
30			23.39	27.22	27.91
50			18.69	25.47	27.10
75			17.20	23.52	25.71
Avg.	27.5	27.3	23.4	27.0	27.8
100			15.08	20.56	23.75
150				15.45	21.83
200				12.84	19.77
250				11.40	17.91
300				10.30	16.95
Avg.			15.1	14.1	20.0
400					14.81
500					
600					
Avg.					14.8

Cape Romain Section

Stations 46	47	48	49	50
28.56	27.94	27.63	27.77	28.63
	27.37	27.25	27.65	28.58
	26.87	26.89	27.27	27.62
		25.34	25.71	26.95
		22.44	22.90	26.04
		18.89	19.84	25.31
28.6	27.4	24.7	25.2	27.2
		16.35	17.59	21.21
		14.27	15.56	16.38
		12.86	13.58	14.40
			11.84	12.62
			10.34	10.93
		14.5	13.8	15.1

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	27.98	27.18	27.53	27.71	27.54	27.42
10		27.17	27.51	27.27	27.51	27.45
20			27.06	26.27	26.30	26.40
30				24.66	23.54	24.50
50				21.90	19.32	21.40
75				19.53	17.68	18.31
Avg.	28.0	27.2	27.4	24.6	23.6	24.2
100				17.65	16.30	15.79
150				15.40	14.36	13.09
200					12.19	11.38
250					10.34	10.15
300					8.81	9.39
Avg.				16.5	12.4	12.0
400						7.68
500						
600						
Avg.						7.7

Cape Fear Section

Stations 58	59	60	61	62
27.29	26.80	27.51	28.19	27.88
27.19	26.80	27.40	28.19	27.90
	24.37	27.29	27.37	27.49
		25.44	26.12	26.75
		22.48	23.80	24.14
		20.84	21.24	21.36
27.2	26.0	25.2	25.8	25.9
		19.44	18.99	19.41
		17.35	15.39	16.60
		14.97	13.66	15.24
			12.05	13.59
			10.72	12.34
		17.3	14.2	15.4
			8.89	10.23
			8.9	10.2

Table 8.--Temperatures (°C), by section, cruise 7--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	27.23	27.16	27.36	28.28	27.94
10	27.23	27.15	27.31	28.30	27.97
20		25.90	26.92	27.88	27.71
30			25.40	27.09	27.23
50				25.50	25.86
75				23.67	24.52
Avg.	27.2	26.7	26.7	26.8	26.9
100				22.21	23.42
150				18.90	20.64
200				16.30	18.95
250					18.07
300					17.27
Avg.				19.1	19.7
400					14.69
500					
600					
Avg.					14.7

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	27.06	26.88	27.88	28.18
10	27.14	26.64	28.01	28.20
20		24.82	27.77	28.22
30			27.12	27.27
50			25.73	25.59
75			23.83	23.99
Avg.	27.1	26.1	26.7	26.9
100			21.76	22.32
150				19.22
200				17.80
250				16.69
300				15.18
Avg.			21.8	18.2
400				11.55
500				9.09
600				
Avg.				10.3

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0	25.14		27.70	27.12
10	25.08		27.72	27.16
20			27.75	27.17
30			26.99	27.18
50			25.59	24.84
75			24.06	22.08
Avg.	25.1		26.6	25.9
100			22.67	20.54
150			20.32	19.16
200			18.67	18.45
250			18.13	18.24
300			16.64	17.81
Avg.			19.3	18.8
400			13.59	17.03
500			10.30	15.31
600			6.44	13.28
800				8.98
1000				
Avg.			10.1	13.7

Hatteras Section

Depth (m)	Stations 78	79	80
0	26.42	27.31	27.57
10	26.58	27.46	27.59
20	26.29	27.43	27.55
30		27.46	27.03
50		26.92	25.84
75		24.47	23.95
Avg.	26.4	26.8	26.6
100		22.85	22.56
150		21.03	20.77
200		19.70	19.10
250		18.66	18.48
300		17.98	18.07
Avg.		20.0	19.8
400		14.48	17.51
500		10.38	15.78
600		7.21	12.62
800			8.78
1000			5.67
Avg.		10.7	12.1

Table 9.--Temperatures (°C), by section, cruise 8

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	28.78	29.05	28.65	29.24	29.19	28.56
10	28.24	29.05	28.67	28.97	29.20	28.56
20		28.58	28.62	28.28	28.62	28.46
30		27.90	28.59		27.86	28.01
50		26.81	28.05		26.85	27.16
75		26.47	26.39		25.91	26.20
Avg.	28.5	28.0	28.2	28.8	27.9	27.8
100		25.73	24.83		25.18	25.28
150		23.06	22.11		23.01	21.60
200		19.79	20.35		18.53	20.17
250		17.88	19.62		14.95	19.21
300		16.09	18.66		12.30	18.12
Avg.		20.5	21.1		18.8	20.9
400		12.88	16.48			15.52
500		8.88				13.43
600						
Avg.		10.9	16.5			14.5

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	28.97	28.81	28.97	28.36	28.61	29.17	28.90	28.23
10	28.40	28.35	28.92	28.40	28.16	28.98	28.93	28.23
20		28.20	28.80	28.34		28.62	28.45	28.23
30			28.13	27.76		28.10	27.76	28.10
50			27.14	26.91		26.56	26.88	27.63
75			26.40	26.58			26.17	26.52
Avg.	28.7	28.5	28.1	27.7	28.4	28.3	27.8	27.8
100			25.54	25.77			25.67	25.27
150			23.13	22.95			23.27	22.38
200			18.63	20.12			19.33	19.93
250			14.37	19.26			16.07	18.97
300			12.08	18.30			13.65	18.27
Avg.			18.7	21.3			19.6	21.0
400				16.14			10.69	17.64
500				13.13				15.64
600								12.72
800								
Avg.				14.6			10.7	15.3

Table 9.--Temperatures (°C), by section, cruise 8--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	28.33	28.15	28.52	29.02	28.45
10	28.33	28.19	28.39	28.99	28.37
20		28.16	28.35	28.88	28.36
30			28.17	28.82	28.30
50				28.55	28.06
75				27.21	26.24
Avg.	28.3	28.2	28.4	28.6	28.0
100				25.90	24.65
150				21.68	22.19
200				16.13	20.16
250				12.10	18.89
300				10.53	17.91
Avg.				17.3	20.8
400				9.07	15.92
500					12.94
600					10.00
Avg.				9.1	13.0

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	28.38	28.32	28.18	28.31	28.78	28.21
10	28.41	28.30	28.14	28.43	28.78	28.21
20			28.11	28.30	28.69	28.21
30				27.90	28.42	27.95
50				27.25	27.64	27.38
75				26.69	26.53	26.59
Avg.	28.4	28.3	28.1	27.8	28.1	27.8
100				21.08	25.51	25.59
150					23.70	23.02
200					19.08	20.68
250					15.19	19.77
300					13.06	18.75
Avg.				21.1	19.3	21.6
400					10.19	16.36
500					8.59	13.54
600						10.96
Avg.					9.4	13.6

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	28.04	27.92	27.50	27.67	28.83	28.30
10	28.07	27.93	27.54	27.47	28.88	28.39
20			27.54	23.50	28.90	28.37
30			27.52	21.89	28.91	28.35
50					28.15	28.33
75					26.70	26.56
Avg.	28.1	27.9	27.5	25.1	28.4	28.1
100					25.62	24.95
150					21.41	22.22
200					17.82	19.86
250					15.38	19.21
300					13.29	18.63
Avg.					18.7	21.0
400						17.67
500						15.90
600						13.31
Avg.						15.6

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	28.06	28.02	27.93	28.66	
10	28.08	27.85	27.90	28.48	
20		27.78	27.72	27.98	
30			27.45	27.23	
50				23.91	
75				20.26	
Avg.	28.1	27.9	27.7	26.1	
100				17.93	
150				16.58	
200				15.36	
250				11.72	
300					
Avg.				15.4	

Table 9.--Temperatures (°C), by section, cruise 8--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	27.30	27.47			
10	27.32	27.55			
20		27.31			
30					
50					
75					
Avg.	27.3	27.4			
100					
150					
200					
250					
300					
Avg.					
400					
500					
600					
Avg.					

Cape Romain Section

Depth (m)	Stations 46	47	48	49	50
0	26.17	26.65	27.65	28.33	28.26
10		26.22	27.56	28.32	28.29
20		26.08	27.44	28.32	28.25
30			25.20	28.31	28.24
50			20.97	28.22	28.09
75			15.76	26.08	27.07
Avg.	26.2	26.3	24.1	27.9	28.0
100			11.82	23.05	24.98
150			7.76	16.12	21.19
200			7.45		19.60
250					18.70
300					17.86
Avg.			9.0	19.6	20.5
400					15.73
500					13.55
600					
Avg.					14.6

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	25.58	26.25	26.67	28.02	27.22	28.29
10		26.22	26.24	27.68	27.14	28.28
20			26.18	27.62	27.10	28.27
30				24.82	24.93	28.28
50				20.30	21.06	28.28
75				17.64	16.87	28.27
Avg.	25.6	26.2	26.4	24.3	24.1	28.3
100				15.33	14.04	27.98
150				11.76	12.45	26.63
200					11.63	20.90
250					10.36	16.02
300					8.64	12.59
Avg.				13.5	11.4	20.8
400						9.18
500						
600						
Avg.						9.2

Cape Fear Section

Depth (m)	Stations 58	59	60	61	62
0	25.67	25.39	27.84	28.16	28.23
10	25.71	25.50	27.90	28.06	28.26
20			27.77	27.92	28.25
30			24.79	27.70	28.24
50			19.94	25.99	28.13
75			16.75	22.68	27.55
Avg.	25.7	25.4	24.2	26.8	28.1
100			14.32	19.04	26.18
150			11.74	14.38	23.38
200			9.45	11.55	20.96
250				9.86	18.50
300					17.30
Avg.			11.8	13.7	21.3
400					14.39
500					10.37
600					7.38
Avg.					10.7

Table 9.--Temperatures (°C), by section, cruise 8--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	25.85	25.85	26.59	28.31	27.94
10	25.73	25.85	26.61	28.29	28.13
20			26.57	28.26	28.12
30			26.59	28.27	28.08
50				28.00	27.75
75				26.71	26.77
Avg.	25.8	25.9	26.6	28.0	27.8
100				24.55	24.68
150				17.60	21.29
200				13.33	19.51
250					18.22
300					16.98
Avg.				18.5	20.1
400					12.95
500					
600					
Avg.					12.9

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	26.32	26.49	26.77	28.27
10	25.54	25.92	26.72	28.26
20		25.89	26.71	28.22
30			26.54	28.23
50			25.62	28.23
75			21.73	27.68
Avg.	25.9	26.1	25.7	28.1
100			15.13	26.27
150				21.82
200				17.54
250				13.19
300				
Avg.			15.1	19.7
400				
500				
600				
Avg.				

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0		26.67	26.81	28.09
10		26.72	26.81	28.17
20		26.51	26.72	28.15
30		23.50	26.61	28.15
50			25.65	28.09
75			21.78	27.98
Avg.		25.9	25.7	28.1
100			17.90	27.00
150			14.36	25.33
200			12.31	20.48
250			11.13	15.30
300			10.05	12.90
Avg.			13.1	20.2
400			8.21	10.19
500			6.21	8.89
600				7.83
800				
1000				
Avg.			7.2	9.0

Hatteras Section

Depth (m)	Stations 78	79	80
0	25.98	28.27	28.16
10	25.68	28.15	28.16
20	24.80	28.10	28.10
30		27.88	28.07
50		26.67	27.82
75		25.81	26.73
Avg.	25.5	27.5	27.8
100		20.64	25.27
150		15.46	21.85
200		13.64	20.08
250		12.36	19.09
300		10.10	16.61
Avg.		14.4	20.6
400			13.86
500			
600			
800			
1000			
Avg.			13.9

Table 10.--Temperatures (°C), by section, cruise 9

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	25.70	26.67	26.48	25.58	26.51	26.66
10	25.70	26.72	26.56	25.46	26.54	26.68
20		26.72	26.62	24.90	26.56	26.69
30		26.67	26.62	24.54	26.55	26.69
50		26.56	26.63		26.54	26.69
75		26.40	26.22		26.39	26.30
Avg.	25.7	26.6	26.5	25.1	26.5	26.6
100		25.82	25.85		26.24	25.75
150		21.61	23.04		22.08	22.33
200		18.23	19.87		18.69	19.43
250		16.06	17.92		16.74	18.00
300		14.25	17.24		15.00	16.60
Avg.		19.2	20.8		19.7	20.4
400		11.00	15.16		12.41	15.05
500			13.05			
600						
Avg.		11.0	14.1		12.4	15.1

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	22.64	25.27	26.51	26.54	21.39	25.31	26.67	26.42
10	22.47	25.29	26.53	26.55	20.92	25.32	26.67	26.44
20		25.31	26.56	26.57		25.33	26.68	26.46
30			26.59	26.59		25.06	26.70	26.21
50			26.59	26.58		24.49	26.72	25.84
75			26.46	26.15			26.36	25.73
Avg.	22.6	25.3	26.5	26.5	21.2	25.1	26.6	26.2
100			25.43	25.40			25.87	25.63
150			21.78	21.93			21.94	20.27
200			18.59	19.56			18.92	18.99
250			16.62	18.30			17.21	18.57
300			14.47	17.59			15.39	18.08
Avg.			19.4	20.6			19.9	20.3
400				15.97			11.42	16.87
500				14.27			8.05	14.13
600				11.68				13.37
800								
Avg.				14.0			9.7	14.8

Table 10.--Temperatures (°C), by section, cruise 9--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	19.63	22.22	24.74	26.36	26.56
10	18.00	22.15	24.52	26.53	26.57
20		21.99	23.88	26.64	26.58
30			23.01	26.64	26.59
50				26.41	26.59
75				26.00	26.51
Avg.	18.8	22.1	24.0	26.4	26.6
100				25.77	25.64
150				22.69	21.95
200				15.62	19.56
250				11.24	18.55
300				8.51	17.39
Avg.				16.8	20.6
400					14.70
500					11.91
600					8.99
Avg.					11.9

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	18.08	21.21	23.65	26.17	26.51	25.94
10	17.88	21.22	23.66	26.17	26.51	25.93
20			23.53	26.20	26.51	25.93
30				26.18	26.53	25.91
50				26.13	26.55	25.77
75				26.05	26.55	25.40
Avg.	18.0	21.2	23.6	26.1	26.5	25.8
100				25.95	26.35	24.67
150					23.70	22.23
200					21.00	19.77
250					19.02	18.79
300					16.46	18.15
Avg.				25.9	21.3	20.7
400					10.05	16.69
500					7.44	14.20
600						11.93
Avg.					8.7	14.3

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0					26.50	26.57
10					26.52	26.59
20					26.54	26.61
30					26.56	26.62
50					26.56	26.63
75					26.53	25.85
Avg.					26.5	26.5
100					26.40	25.09
150					22.75	22.08
200					20.24	20.03
250					18.54	19.05
300					16.93	17.95
Avg.					21.0	20.8
400					10.05	15.46
500						13.06
600						10.42
Avg.					10.1	13.0

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	16.83	19.34	23.68	24.30	25.32
10	16.85	19.35	23.72	24.39	25.34
20		19.38	23.74	24.40	25.37
30			23.70	24.39	25.38
50				24.18	25.36
75				23.52	25.15
Avg.	16.8	19.4	23.7	24.2	25.3
100				22.52	24.53
150				18.54	21.42
200				14.30	18.90
250				11.29	17.04
300				9.39	15.62
Avg.				15.2	19.5

Table 10.--Temperatures (°C), by section, cruise 9--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	16.53	19.84	24.02	25.36	25.32
10	16.56	19.87	24.04	25.38	25.34
20		19.88	24.02	25.40	25.37
30			23.30	25.42	25.38
50			21.95	25.20	25.36
75			20.46	24.34	25.15
Avg.	16.5	19.9	23.0	25.2	25.3
100			19.18	22.54	24.53
150				20.30	21.42
200				16.70	18.90
250				12.74	17.04
300				10.84	15.62
Avg.			19.2	16.6	19.5
400					
500					
600					
Avg.					

Cape Romain Section

Stations 46	47	48	49	50
15.85	20.76	22.46	23.82	25.49
15.95	20.79	22.50	23.39	25.51
	19.67	22.26	23.09	25.54
		22.24	22.97	25.56
		22.08	22.73	25.57
		21.83	22.43	25.57
15.9	20.4	22.2	23.1	25.5
		20.96	20.76	25.37
		17.36	15.76	22.99
			12.81	19.78
			11.17	15.65
				12.25
		19.2	15.1	19.2
				8.49
				8.5

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	13.61	16.68	21.34	22.79	22.55	24.23
10		16.68	21.38	22.81	22.57	24.24
20			21.26	22.80	22.58	24.25
30				22.79	22.58	24.27
50				22.78	22.57	23.85
75				19.54	19.79	23.23
Avg.	13.6	16.7	21.3	22.3	22.1	24.0
100				17.28	17.25	21.63
150				15.72	12.86	16.81
200					9.53	13.26
250					9.04	10.77
300					8.75	9.52
Avg.				16.5	11.5	14.4
400						
500						
600						
Avg.						

Cape Fear Section

Stations 58	59	60	61	62
16.44	21.38	22.72	25.03	25.34
16.45	21.41	22.73	25.04	25.38
	21.08	22.75	25.03	25.38
		22.75	24.99	25.37
		22.74	24.65	25.34
		21.91	23.54	25.29
16.4	21.3	22.6	24.7	25.3
		20.74	21.74	24.27
		17.38	18.89	20.64
		15.38	14.80	18.85
			13.27	17.56
			11.15	16.46
		17.8	16.0	19.6
				14.19
				11.40
				12.8

Table 10.--Temperatures (°C), by section, cruise 9--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	15.67	18.73	22.13		25.32
10	15.64	18.76	22.15		25.36
20		18.76	22.12		25.38
30			22.15		25.39
50					25.39
75					25.39
Avg.	15.7	18.7	22.1		25.4
100					24.97
150					21.66
200					19.49
250					17.98
300					15.02
Avg.					19.8
400					10.17
500					
600					
Avg.					10.2

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	13.14	18.70	22.31	24.65
10	13.16	18.58	22.30	24.64
20		18.58	22.26	24.62
30			22.23	24.53
50			22.18	24.37
75			22.11	24.22
Avg.	13.1	18.6	22.2	24.5
100			22.03	23.61
150				21.60
200				19.00
250				17.53
300				14.60
Avg.			22.0	19.3

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m)	Stations 78	79	80

Table 11.--Temperatures (°C), by section, winter season

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	22.5	24.9	24.6	22.6	24.7	24.6
10	20.5	24.8	24.6	22.5	24.7	24.6
20		24.8	24.5	21.7	24.7	24.6
30		24.8	24.5	19.0	24.7	24.6
50		24.6	24.5		24.6	24.6
75		23.7	24.4		23.9	24.5
Avg.	21.9	24.6	24.5	21.4	24.6	24.6
100		22.7	24.1		23.1	24.4
150		19.1	21.8		21.2	22.4
200		16.4	19.9		18.3	20.3
250		15.0	18.9		15.5	18.5
300		13.4	18.0		13.2	17.1
Avg.		17.3	20.5		18.3	20.5
400		9.8	15.7		11.5	15.7
500			13.8			
600						
Avg.		9.8	15.1		11.5	15.7

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	18.1	24.1		24.6	17.4	22.1	24.9	23.6
10	18.2	24.0		24.6	17.4	22.1	24.9	23.5
20		22.9		24.6		22.0	24.9	23.5
30				24.6		21.2	24.8	23.3
50				24.6		21.0	24.8	23.0
75				24.5			24.5	22.8
Avg.	18.1	23.7		24.6	17.4	21.7	24.8	23.3
100				24.2			24.3	22.6
150				21.1			21.1	22.2
200				19.1			18.7	19.9
250				18.0			17.9	19.0
300				17.1			16.7	18.2
Avg.				19.9			19.7	20.4
400				15.1			13.5	17.5
500				12.1			10.1	16.1
600				9.5			6.4	13.3
800								
Avg.				12.3			10.0	15.6

Table 11.--Temperatures (°C), by section, winter season--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	15.2	17.7	21.1	24.8	23.8
10	15.4	17.7	21.1	24.7	23.8
20	↑	17.9	20.9	24.7	23.7
30			20.8	24.8	23.6
50				24.8	23.3
75				24.6	22.9
Avg.	15.3	17.8	21.0	24.7	23.5
100				24.3	22.6
150				22.0	21.8
200				17.3	20.1
250				13.7	19.0
300				11.3	18.1
Avg.				17.7	20.3
400				8.3	16.4
500					14.7
600					12.0
Avg.				8.3	14.4

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	15.3	16.9	19.3	21.1		23.5
10	14.9	16.7	19.3	21.1		23.5
20		17.3	19.3	21.0		23.4
30			18.2	20.6		23.5
50				19.0		23.5
75				16.0		23.4
Avg.	15.1	16.9	19.1	19.8		23.5
100				13.9		23.3
150				6.9		22.6
200						20.3
250						19.6
300						19.1
Avg.				11.6		21.0

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	13.9	15.5	18.1			
10	13.9	15.6	18.1			
20		15.7	18.2			
30			18.1			
50						
75						
Avg.	13.9	15.6	18.2			
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
Avg.						

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	13.8	15.3	18.7	23.7	24.2
10	13.7	15.3	18.6	23.6	24.2
20		15.3	18.5	23.5	24.2
30		16.2	18.0	22.7	24.2
50				21.3	24.2
75				19.8	23.8
Avg.	13.8	15.4	18.4	22.5	24.1
100				18.7	23.3
150				16.6	21.7
200				14.6	20.2
250				12.6	18.9
300				10.8	17.1
Avg.				14.7	20.9
400					12.5
500					
600					
Avg.					12.5

Table 11.--Temperatures (°C), by section, winter season--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	12.9	17.3	19.4	24.0	24.2
10	13.0	17.0	19.2	24.0	24.2
20		16.7	18.8	24.0	24.2
30			18.5	23.9	24.2
50			18.0	23.7	24.2
75			16.7	23.3	23.8
Avg.	12.9	17.0	18.4	23.8	24.1
100				22.2	23.3
150				19.1	21.7
200				16.8	20.2
250				15.3	18.9
300				14.3	17.1
Avg.				17.5	20.9
400				9.5	12.5
500					
600					
Avg.				9.5	12.5

Cape Romain Section

Depth (m)	Stations 46	47	48	49	50
0	12.9	17.6	19.6	23.5	24.1
10	13.2	17.1	19.4	23.4	24.0
20		17.0	19.4	22.8	24.0
30			18.9	21.8	24.0
50			17.9	19.8	24.0
75			16.1	18.8	23.7
Avg.	13.0	17.2	18.5	21.7	24.0
100			15.1	17.9	22.9
150			13.6	16.1	20.8
200			10.7	14.0	18.6
250				11.8	16.7
300					15.4
Avg.			13.6	14.9	18.9
400					12.5
500					11.1
600					
Avg.					12.0

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	11.0	13.8	16.3	20.0	20.0	22.7
10		13.7	17.0	19.9	19.9	22.7
20			16.5	19.8	19.8	22.7
30				18.9	19.2	22.6
50				18.4	17.3	22.0
75				16.7	16.1	20.9
Avg.	11.0	13.7	16.6	19.0	18.7	22.3
100				15.6	15.3	19.2
150				13.6	13.5	15.3
200					11.2	13.4
250					10.3	10.9
300					10.2	9.5
Avg.				14.6	12.3	14.5
400						7.6
500						6.5
600						
Avg.						7.0

Cape Fear Section

Depth (m)	Stations 58	59	60	61	62
0	13.4	17.8	20.4	20.2	22.6
10	13.5	17.9	20.2	20.2	22.6
20		17.9	20.0	19.8	22.6
30			19.9	19.7	22.6
50			17.4	19.1	22.5
75			16.7	18.5	22.2
Avg.	13.5	17.9	19.1	19.6	22.5
100			15.9	17.3	21.2
150				13.4	18.3
200				11.7	16.1
250				9.9	14.7
300				8.7	13.7
Avg.			15.9	12.6	16.8
400					11.8
500					9.6
600					10.0
Avg.					10.6

Table 11.--Temperatures (°C), by section, winter season--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	12.1	18.3	20.7	21.4	22.5
10	11.9	18.2	20.8	21.4	22.5
20		14.3	20.7	21.4	22.5
30			20.6	21.1	22.5
50				20.6	21.9
75				20.1	20.2
Avg.	12.0	16.9	20.7	21.0	22.0
100				19.2	18.5
150				16.2	15.1
200				13.4	12.5
250					11.1
300					9.7
Avg.				16.3	13.4
400					7.9
500					7.0
600					6.0
Avg.					7.0

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	12.5	17.2	21.2	24.1
10	12.5	16.8	21.0	24.1
20		16.5	20.7	24.1
30			20.5	24.1
50			20.8	23.9
75			20.4	23.4
Avg.	12.5	16.8	20.8	24.0
100			20.1	22.6
150				20.7
200				19.0
250				17.9
300				16.8
Avg.			20.1	19.4
400				15.0
500				13.1
600				
Avg.				14.1

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0	15.6	19.2	23.4	
10	16.6	19.3	23.6	
20		19.0	23.5	
30		20.2	23.4	
50			23.1	
75			22.5	
Avg.	16.1	19.3	23.3	
100			20.9	
150			17.1	
200				
250				
300				
Avg.			19.0	
400				
500				
600				
800				
1000				
Avg.				

Hatteras Section

Depth (m)	Stations 78	79	80

Table 12.--Temperatures (°C), by section, spring season

Jupiter Section

Depth (m)	Stations 3	2	1
0	24.1	25.6	26.5
10	24.0	25.6	26.1
20		25.6	26.1
30		25.4	26.1
50		24.7	26.1
75		23.4	25.7
Avg.	24.0	25.0	26.1
100		21.5	25.1
150		17.4	22.0
200		17.6	19.6
250		15.9	18.0
300		14.3	16.6
Avg.		17.9	20.2
400		11.1	14.0
500		9.6	13.9
600			11.5
Avg.		10.3	13.3

Vero Section

Stations 5	6	7
24.4	26.3	26.1
23.8	26.2	26.0
20.9	26.2	26.1
19.1	26.2	26.0
	26.0	26.0
	24.5	25.6
22.0	25.9	26.0
	22.1	24.9
	19.3	21.9
	16.8	20.1
	14.1	18.6
	11.0	17.3
	17.3	20.5
		14.9
		14.9

Canaveral Section

Depth (m)	Stations 11	10	9	8
0	23.7	24.5	26.0	26.1
10		24.2	26.0	26.1
20		21.7	26.1	26.1
30		21.2	26.0	26.1
50			25.5	26.0
75			24.4	25.3
Avg.	23.7	23.1	25.7	25.9
100			22.8	24.4
150			19.3	22.2
200			17.3	20.4
250			14.1	18.6
300				17.0
Avg.			19.0	20.5
400				14.3
500				11.5
600				9.3
800				
Avg.				11.7

Ponce de Leon Section

Stations 13	14	15	16
23.2	25.3	26.4	26.0
22.3	25.2	26.3	26.1
	24.6	26.2	26.0
	24.3	26.1	25.5
	20.5	26.0	24.9
		25.6	24.6
22.6	24.4	26.1	25.5
		25.0	24.1
		22.1	22.5
		19.4	20.9
		17.9	19.4
		16.6	18.2
		20.2	21.0
		13.8	16.3
		11.0	13.4
		10.7	10.9
		12.1	13.5

Table 12 -- Temperatures (°C), by section, spring season--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	21.1	21.7	22.7	25.8	26.1
10	21.0	21.7	22.7	25.7	26.1
20		21.3	22.7	25.7	25.8
30			20.2	25.5	25.4
50				24.5	24.8
75				22.3	24.3
Avg.	21.1	21.6	22.1	24.9	25.4
100				20.3	23.8
150				18.3	22.1
200					20.5
250					19.1
300					17.9
Avg.				19.3	20.7
400					15.7
500					13.4
600					10.7
Avg.					13.3

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	20.7	21.2	21.6	23.2	25.7	25.8
10	20.5	21.2	21.7	23.2	25.7	25.7
20		21.1	21.2	23.2	25.6	25.7
30				22.9	25.6	25.6
50				21.5	24.8	24.4
75				18.0	23.3	22.6
Avg.	20.7	21.2	21.5	22.0	25.1	25.0
100				14.0	21.4	22.2
150					18.9	21.0
200					17.0	20.0
250					15.1	19.0
300						18.1
Avg.				14.0	18.1	20.1
400						16.1
500						13.9
600						
Avg.						15.0

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	19.8	19.9	20.5	22.7	25.2	25.8
10	19.8	20.0	20.5	22.7	25.0	25.8
20			20.7	22.7	24.9	25.7
30			20.8	22.7	24.5	25.7
50					23.8	24.8
75					22.2	23.4
Avg.	19.8	20.0	20.6	22.7	24.3	25.2
100					19.8	22.3
150					17.9	20.3
200					16.3	19.6
250					14.4	18.7
300					12.2	17.6
Avg.					16.1	19.7
400						14.7
500						10.4
600						
Avg.						12.6

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	22.0	22.8	23.3	25.7	26.8
10	21.2	22.0	23.3	25.6	26.7
20		21.2	22.3	24.7	26.5
30			18.3	23.8	26.3
50				22.4	25.4
75				19.8	23.9
Avg.	21.6	22.0	21.8	23.7	25.9
100				16.6	23.0
150				13.4	21.2
200				10.9	19.5
250					18.4
300					17.8
Avg.				13.6	20.0
400					15.5
500					
600					
Avg.					15.5

Table 12.--Temperatures (°C), by section, spring season--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	22.0	22.6	22.2	27.0	26.8
10	19.6	22.3	21.9	27.0	26.7
20		20.1	20.9	26.8	26.5
30			19.1	26.5	26.3
50			16.6	25.7	25.4
75			14.8	24.3	23.9
Avg.	20.8	21.7	19.2	26.2	25.9
100			13.3	22.5	23.0
150				19.3	21.2
200				16.0	19.5
250					18.4
300					17.8
Avg.			13.3	19.3	20.0
400					15.5
500					
600					
Avg.					15.5

Cape Romain Section

Depth (m)	Stations 46	47	48	49	50
0	22.3	22.3	24.3	23.8	
10		20.2	24.1	23.8	
20		18.1	22.6	23.6	
30			21.1	22.5	
50			18.7	20.0	
75			17.2	16.4	
Avg.	22.3	20.2	21.3	21.7	
100			15.9	14.6	
150			13.7	12.4	
200			10.5	9.3	
250			8.5	7.1	
300			6.8		
Avg.			11.1	10.8	

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	21.3	22.3	22.0	24.6		
10		20.3	22.0	24.6		
20			21.0	24.6		
30				24.0		
50				22.6		
75				20.4		
Avg.	21.3	21.3	21.7	23.5		
100				18.4		
150				14.6		
200						
250						
300						
Avg.				16.5		
400						
500						
600						
Avg.						

Cape Fear Section

Depth (m)	Stations 58	59	60	61	62
0	21.2	21.4	21.7	24.1	26.0
10	19.4	21.0	21.7	23.6	25.8
20			22.4	23.6	25.7
30			21.1	21.3	25.5
50			19.1	17.3	24.7
75			17.9	13.2	23.0
Avg.	20.3	21.2	20.7	20.5	25.1
100			16.0	11.1	21.6
150			14.1	9.7	19.9
200			12.3	8.8	17.8
250				8.3	17.0
300				7.9	16.4
Avg.			14.1	9.2	18.5
400				7.6	15.2
500					
600					
Avg.				7.6	15.2

Table 12.--Temperatures (°C), by section, spring season--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	20.6	21.2	21.9	23.6	25.0
10	19.5	20.8	22.0	23.5	24.9
20		19.5	21.7	19.5	24.8
30			20.2	19.2	24.7
50				18.7	23.5
75					21.3
Avg.	20.1	20.5	21.4	20.9	24.0
100					18.1
150					14.8
200					
250					
300					
Avg.					16.5
400					
500					
600					
Avg.					

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	21.0	20.8	25.2	25.4
10	20.3	20.1	25.3	25.4
20		19.2	25.0	25.2
30			24.9	24.4
50			24.4	23.3
75			23.1	21.6
Avg.	20.7	20.0	24.6	24.2
100			21.5	19.9
150				14.9
200				13.6
250				12.8
300				12.0
Avg.			21.5	14.6
400				8.9
500				
600				
Avg.				8.9

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0	19.9	21.3	26.0	25.7
10	19.8	21.2	26.0	25.7
20		20.7	26.0	25.8
30		20.0	25.6	25.7
50			24.9	25.2
75			23.7	23.7
Avg.	19.8	20.8	25.3	25.3
100			22.5	22.6
150			20.1	21.4
200			18.3	20.1
250			17.3	18.8
300			15.5	18.2
Avg.			18.7	20.2
400			11.8	16.3
500			7.3	
600			5.3	
800			4.2	
1000			4.0	
Avg.			6.5	16.3

Hatteras Section

Depth (m)	Stations 78	79	80
0	20.0	25.3	25.7
10	19.9	25.4	25.7
20	19.8	25.4	25.6
30		25.4	25.6
50		24.7	25.4
75		23.0	23.6
Avg.	19.9	24.9	25.3
100		21.4	22.3
150		18.5	20.8
200		15.9	19.7
250		13.5	19.0
300		11.4	18.3
Avg.		16.1	20.0
400			16.9
500			15.0
600			12.4
800			7.1
1000			4.7
Avg.			11.2

Table 13.--Temperatures (°C), by section, summer season

Depth (m)	Jupiter Section Stations 3	2	1	Vero Section Stations 5	6	7
0	27.6	28.7	28.5	28.1	28.8	28.4
10	27.4	28.6	28.4	27.1	28.7	28.4
20		28.3	28.3	25.0	28.5	28.3
30		27.6	28.2	21.0	27.9	28.1
50		26.3	27.7		27.0	27.3
75		25.0	25.9		25.6	25.9
Avg.	27.5	27.4	27.8	26.2	27.7	27.7
100		23.6	24.4		24.3	24.5
150		20.7	21.8		21.3	21.6
200		18.2	19.7		18.3	19.8
250		15.9	19.0		15.7	18.9
300		14.4	18.2		13.3	18.1
Avg.		18.9	20.6		18.6	20.6
400		10.4	16.1			16.0
500		8.9	13.0			13.3
600						
Avg.		9.9	15.3			14.9

Depth (m)	Canaveral Section Stations 11	10	9	8	Ponce de Leon Section Stations 13	14	15	16
0	27.8	28.3	28.8	28.3	27.5	28.2	28.7	28.4
10	28.4	27.8	28.7	28.3	27.3	28.0	28.5	28.4
20		25.7	28.5	28.2		27.4	28.2	28.3
30			28.2	27.8		25.6	27.9	28.0
50			27.4	27.1		24.5	27.2	27.3
75			26.2	26.5			26.3	26.2
Avg.	27.9	27.3	28.0	27.7	27.4	26.7	27.8	27.8
100			24.7	25.4			25.5	25.1
150			20.6	22.4			23.1	22.6
200			19.0	20.4			20.3	20.6
250			15.8	19.3			17.4	19.4
300			13.0	18.1			14.4	18.4
Avg.			19.3	21.1			20.1	21.2
400				16.1			10.6	17.0
500				12.8			7.3	14.7
600				10.0				11.7
800								8.1
Avg.				13.3			9.8	13.8

Table 13.--Temperatures (°C), by section, summer season--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	27.7	27.5	27.8	29.0	28.7
10	27.6	27.5	27.8	28.7	28.4
20		27.4	27.7	28.5	28.3
30			26.8	28.4	28.1
50				27.8	27.6
75				26.5	26.6
Avg.	27.6	27.5	27.5	28.2	28.0
100				25.0	25.4
150				20.7	22.6
200				16.1	20.5
250				13.6	19.3
300				11.5	18.1
Avg.				18.1	21.2
400				9.1	15.8
500					13.1
600					10.5
Avg.				9.1	13.1

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	28.1	27.8	28.0	28.3	28.7	28.5
10	27.9	27.5	27.7	28.1	28.6	28.5
20		27.1	27.2	27.9	28.4	28.4
30				27.3	28.1	28.1
50				25.7	27.3	27.3
75				23.1	26.2	26.1
Avg.	28.0	27.6	27.6	26.7	27.9	27.8
100				18.1	25.2	25.1
150					22.7	22.4
200					19.1	20.4
250					16.2	19.4
300					14.1	18.4
Avg.				18.1	19.4	21.2
400					10.2	16.4
500					8.6	14.3
600						12.4
Avg.					9.4	14.6

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	28.0	27.8	27.6	28.1	28.9	28.5
10	28.0	27.5	27.3	27.9	29.0	28.4
20			26.6	26.5	28.7	28.3
30			26.5	25.2	28.3	28.1
50				22.8	27.3	27.6
75					25.7	26.1
Avg.	28.0	27.6	27.0	26.6	28.0	27.8
100					24.2	24.2
150					20.9	21.4
200					18.2	19.6
250					16.1	18.9
300					14.0	18.0
Avg.					18.7	20.4
400					11.8	16.8
500						14.5
600						11.6
Avg.					11.8	14.3

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	28.3	27.8	28.0	28.6	29.5
10	28.2	27.5	27.9	28.3	28.7
20		26.9	27.7	27.7	28.6
30			26.1	26.8	28.3
50				23.6	27.4
75				19.9	26.2
Avg.	28.3	27.4	27.4	25.8	28.1
100				17.6	24.5
150				15.0	21.5
200				13.1	19.9
250				10.8	18.5
300				9.4	17.5
Avg.				13.5	20.4
400					15.5
500					14.5
600					
Avg.					15.2

Table 13.--Temperatures (°C), by section, summer season--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	27.7	27.8	28.2	29.3	29.5
10	27.6	27.7	27.9	28.9	28.7
20		26.9	25.6	28.5	28.6
30			23.1	27.8	28.3
50			19.0	26.6	27.4
75			16.6	24.5	26.2
Avg.	27.7	27.4	23.4	27.6	28.1
100			14.5	22.1	24.5
150				16.9	21.5
200				14.1	19.9
250				12.1	18.5
300				10.3	17.5
Avg.			14.5	15.6	20.4
400					15.5
500					14.5
600					
Avg.					15.2

Cape Romain Section

Depth (m)	Stations 46	47	48	49	50
0	27.6	27.6	28.0	28.3	28.7
10		27.2	27.8	28.2	28.7
20		26.2	27.4	28.1	28.4
30			25.1	27.5	28.1
50			21.1	26.2	27.5
75			17.2	23.6	26.5
Avg.	27.6	27.0	24.4	27.0	28.0
100			14.3	20.8	23.7
150			11.2	15.3	19.7
200			10.2	13.6	18.2
250				11.8	16.6
300				10.3	15.3
Avg.			12.1	16.0	18.7
400					15.7
500					13.2
600					
Avg.					14.5

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	27.5	27.3	27.5	27.9	28.0	28.3
10		27.2	27.2	27.7	28.0	28.3
20			26.0	27.5	27.5	27.9
30				25.3	25.9	27.2
50				21.7	22.7	25.8
75				18.6	17.3	24.4
Avg.	27.5	27.3	26.9	24.8	25.3	27.0
100				16.3	15.2	23.2
150				13.6	13.4	21.2
200					11.9	18.2
250					10.3	15.7
300					8.7	13.8
Avg.				15.2	11.9	18.4
400						8.4
500						
600						
Avg.						8.4

Cape Fear Section

Depth (m)	Stations 58	59	60	61	62
0	27.1	26.6	27.8	28.1	28.3
10	27.1	26.6	27.7	28.1	28.3
20		24.4	27.6	27.7	28.1
30			25.0	27.2	27.8
50			20.8	24.7	26.7
75			18.6	21.0	25.4
Avg.	27.1	26.3	24.6	26.1	27.4
100			16.7	18.1	23.9
150			14.3	14.3	20.8
200			12.2	12.3	18.6
250				10.8	16.4
300				10.7	14.4
Avg.			14.7	13.6	18.8
400				8.9	12.3
500					10.4
600					7.4
Avg.				8.9	10.6

Table 13.--Temperatures (°C), by section, summer season--Continued

Onslow Bay Section

Depth (m)	Stations 67	66	65	64	63
0	27.0	26.7	27.2	28.1	28.1
10	26.9	26.7	27.2	28.2	28.2
20		24.9	27.0	28.0	28.0
30			25.9	27.2	27.6
50				25.7	26.8
75				23.7	25.5
Avg.	26.9	26.3	26.8	26.8	27.4
100				21.7	23.7
150				17.2	20.4
200				14.3	18.3
250				11.9	16.9
300					15.6
Avg.				17.2	19.0
400					13.8
500					
600					
Avg.					13.8

Cape Lookout Section

Depth (m)	Stations 69	70	71	72
0	27.0	26.9	27.6	28.4
10	26.7	26.7	27.6	28.4
20		26.0	27.5	28.4
30			26.5	28.0
50			24.6	26.8
75			21.7	25.3
Avg.	26.9	26.5	25.9	27.5
100			18.4	23.6
150				20.2
200				17.6
250				14.9
300				15.2
Avg.			18.4	19.1
400				11.5
500				9.1
600				
Avg.				10.3

Raleigh Bay Section

Depth (m)	Stations 76	75	74	73
0	26.2	27.5	27.3	27.6
10	26.2	27.5	27.3	27.7
20		27.5	27.2	27.7
30		24.3	26.8	27.7
50			25.6	26.5
75			22.9	25.0
Avg.	26.2	26.7	26.2	27.0
100			20.3	23.8
150			17.3	22.2
200			15.5	19.5
250			14.6	16.8
300			13.3	15.4
Avg.			16.2	19.5
400			10.9	13.6
500			8.3	12.1
600			6.4	10.6
800				9.0
1000				
Avg.			8.9	11.6

Hatteras Section

Depth (m)	Stations 78	79	80
0	26.2	27.8	27.9
10	26.1	27.8	27.9
20	25.5	27.8	27.8
30		27.7	27.5
50		26.8	26.8
75		25.1	25.3
Avg.	26.0	27.2	27.2
100		21.7	23.9
150		18.2	21.3
200		16.7	19.6
250		15.5	18.8
300		14.0	17.3
Avg.		17.2	20.2
400		14.5	15.7
500		10.4	15.8
600		7.2	12.6
800			8.8
1000			5.7
Avg.		10.7	12.4

Table 14.--Temperatures (°C), by section, fall season

Jupiter Section

Depth (m)	Stations 3	2	1
0	25.8	27.1	27.3
10	26.0	27.1	27.3
20		27.1	27.3
30		27.1	27.3
50		27.0	27.3
75		25.2	26.1
Avg.	25.9	26.8	27.1
100		23.7	24.9
150		20.3	22.5
200		17.6	20.0
250		15.8	18.1
300		14.1	17.3
Avg.		18.3	20.6
400		10.8	15.0
500			13.1
600			
Avg.		10.8	14.3

Vero Section

Depth (m)	Stations 5	6	7
0	26.0	27.3	27.2
10	26.0	27.3	27.3
20	25.9	27.3	27.3
30	25.8	27.3	27.3
50		27.0	27.1
75		26.4	26.5
Avg.	25.9	27.1	27.1
100		25.6	25.6
150		21.7	22.2
200		18.7	19.7
250		17.1	18.3
300		15.6	17.3
Avg.		19.7	20.6
400		12.4	15.4
500			13.6
600			
Avg.		12.4	14.8

Canaveral Section

Depth (m)	Stations 11	10	9	8
0	23.9	25.4	27.3	27.3
10	22.5	25.4	27.3	27.3
20		25.6	27.3	27.3
30			27.4	27.3
50			27.3	27.3
75			27.0	26.7
Avg.	23.4	25.5	27.3	27.2
100			25.8	25.7
150			22.1	22.6
200			18.4	20.4
250			15.1	18.7
300			14.5	17.7
Avg.			19.7	21.0
400				15.7
500				13.0
600				10.1
800				
Avg.				12.9

Ponce de Leon Section

Depth (m)	Stations 13	14	15	16
0	22.7	25.3	27.2	27.2
10	22.5	25.3	27.2	27.2
20		25.4	27.2	27.2
30		25.4	27.3	27.1
50		25.1	27.3	26.9
75			26.8	26.9
Avg.	22.7	25.3	27.2	27.1
100			26.0	26.6
150			22.3	22.1
200			19.4	20.1
250			17.5	18.8
300			15.8	17.9
Avg.			20.2	21.1
400			12.4	16.4
500			9.6	14.1
600			9.0	12.5
800				
Avg.			10.6	14.3

Table 14.--Temperatures (°C), by section, fall season--Continued

Matanzas Section

Depth (m)	Stations 21	20	19	18	17
0	21.6	23.6	25.5	27.2	26.6
10	21.2	23.5	25.4	27.3	26.6
20		23.5	25.1	27.4	26.6
30			24.6	27.4	26.6
50				27.1	26.6
75				25.6	26.5
Avg.	21.4	23.5	25.1	27.0	26.6
100				24.3	25.6
150				20.9	21.9
200				16.2	19.6
250				13.2	18.5
300				11.2	17.4
Avg.				17.2	20.6
400				11.4	14.7
500					11.9
600					9.0
Avg.				11.4	11.9

Jacksonville Section

Depth (m)	Stations 23	24	25	26	27	28
0	21.1	22.9	24.8	26.6	27.2	26.8
10	17.9	22.9	24.8	26.6	27.2	26.9
20		24.5	24.8	26.6	27.2	26.8
30				26.6	27.2	26.8
50				26.5	27.0	26.4
75				26.0	25.9	25.4
Avg.	20.0	23.2	24.8	26.5	26.9	26.5
100				25.5	24.7	24.3
150				16.4	21.7	21.9
200					19.7	19.9
250					18.3	18.9
300					16.5	18.3
Avg.				22.4	20.2	20.7
400					12.1	17.1
500					9.3	15.2
600						12.7
Avg.					10.7	15.0

Brunswick Section

Depth (m)	Stations 34	33	32	31	30	29
0	23.2	24.3	24.9	26.4	26.5	27.0
10	23.4	24.1	24.7	26.2	27.2	27.0
20			24.8		27.2	26.9
30			24.8		27.2	26.7
50					27.2	26.1
75					25.5	25.0
Avg.	23.3	24.2	24.8	26.3	26.8	26.4
100					23.9	23.8
150					21.0	21.2
200					19.2	19.7
250					17.9	18.9
300					16.6	18.1
Avg.					19.7	20.4
400					11.7	16.3
500					9.1	14.1
600						11.7
Avg.					10.8	14.0

Savannah Section

Depth (m)	Stations 36	37	38	39	40
0	20.2	21.7	24.4	25.4	25.9
10	20.2	21.7	24.4	25.4	25.9
20		21.8	24.4	25.4	25.9
30			24.4	25.4	25.9
50				25.3	25.9
75				24.5	25.7
Avg.	20.2	21.8	24.4	25.2	25.9
100				22.2	24.9
150				18.3	22.0
200				15.3	20.4
250				13.0	19.1
300				11.3	17.7
Avg.				16.0	20.8
400				10.5	
500					
600					
Avg.				10.5	

Table 14.--Temperatures (°C), by section, fall season--Continued

Charleston Section

Depth (m)	Stations 44	43	42	41	40
0	19.4	22.1	25.1	25.8	25.9
10	19.4	22.1	25.1	25.8	25.9
20		22.1	25.1	25.8	25.9
30		24.4	24.6	25.8	25.9
50			23.7	25.8	25.9
75			22.7	25.3	25.7
Avg.	19.4	22.4	24.4	25.7	25.9
100			21.8	23.9	24.9
150				21.0	22.0
200				17.8	20.4
250				14.3	19.1
300				12.2	17.7
Avg.			21.8	17.9	20.8
400					
500					
600					
Avg.					

Cape Romain Section

Depth (m)	Stations 46	47	48	49	50
0	18.8	22.5	24.0	25.0	25.9
10	18.9	22.6	24.0	24.9	25.9
20		22.0	23.9	24.7	25.9
30			23.9	24.6	25.9
50			23.8	24.5	25.9
75			23.5	23.2	25.5
Avg.	18.8	22.4	23.8	24.5	25.8
100			22.8	21.0	25.1
150			17.0	16.8	22.8
200				14.3	20.6
250				12.8	17.3
300				13.4	14.6
Avg.			19.9	15.9	20.1
400					11.9
500					14.0
600					11.2
Avg.					12.2

Long Bay Section

Depth (m)	Stations 56	55	54	53	52	51
0	17.3	19.3	22.9	24.2	24.0	25.3
10		19.3	22.9	24.3	24.1	25.4
20			22.5	24.3	24.1	25.2
30				24.2	24.1	25.2
50				24.2	24.0	25.0
75				22.3	21.1	24.4
Avg.	17.3	19.3	22.7	23.9	23.6	25.1
100				20.1	18.7	23.0
150				17.3	14.9	18.8
200					12.1	15.7
250					11.0	13.7
300					10.4	12.3
Avg.				18.7	13.4	16.7
400						12.5
500						9.1
600						
Avg.						10.8

Cape Fear Section

Depth (m)	Stations 58	59	60	61	62
0	19.0	21.8	24.1	24.9	25.1
10	19.0	21.7	24.1	24.9	25.1
20		21.1	24.1	24.9	25.1
30			24.2	24.9	25.1
50			24.2	24.7	25.0
75			23.3	23.5	24.8
Avg.	19.0	21.6	24.0	24.6	25.1
100			22.1	22.1	24.1
150			18.5	19.8	21.1
200			15.4	16.3	19.2
250				14.7	17.9
300				12.8	16.7
Avg.			19.3	17.1	19.8
400				11.7	14.4
500					11.8
600					9.9
Avg.				11.7	12.5

Table 14.--Temperatures (°C), by section, fall season--Continued

Depth (m)	Onslow Bay Section Stations 67	66	65	64	63	Cape Lookout Section Stations 69	70	71	72
0	17.3	19.7	23.5	25.5	25.6	14.5	19.3	22.3	24.7
10	17.3	19.8	23.5	25.5	25.6	15.2	19.2	22.3	24.6
20		19.8	23.5	25.5	25.6		19.2	22.3	24.6
30			23.4	25.5	25.6			22.2	24.5
50				25.4	25.6			22.2	24.4
75				25.4	25.3			22.1	24.2
Avg.	17.3	19.8	23.5	25.5	25.5	14.8	19.2	22.2	24.5
100				25.4	24.6			22.0	23.6
150				23.8	21.4				21.6
200				20.2	19.3				19.0
250				17.6	18.3				17.5
300				14.4	16.5				14.6
Avg.				20.3	20.0			22.0	19.3
400					13.5				
500					14.9				
600					12.1				
Avg.					13.5				

Depth (m)	Raleigh Bay Section Stations 76	75	74	73	Hatteras Section Stations 78	79	80
0	17.3	23.7					
10	17.4	23.7					
20		23.7					
30		23.3					
50							
75							
Avg.	17.3	23.6					
100							
150							
200							
250							
300							
Avg.							
400							
500							
600							
800							
1000							
Avg.							

Table 15.--Temperatures (°C), by station, winter season, southern inner shelf

Station 3

Depth (m)	Cruise 1	Cruise 5	Avg.
0	20.53	24.52	22.5
10	20.54		20.5
20			
Avg.	20.5	24.5	21.9

Station 4

Depth (m)	Cruise 1	Cruise 5	Avg.
0	19.70	24.32	22.0
10	19.49	24.26	21.9
20			
Avg.	19.6	24.3	21.9

Station 11

Depth (m)	Cruise 1	Cruise 5	Avg.
0	18.15	18.00	18.1
10	18.18		18.2
20			
Avg.	18.2	18.0	18.1

Station 12

Depth (m)	Cruise 1	Cruise 5	Avg.
0		17.84	17.8
10		17.89	17.9
20			
Avg.		17.9	17.9

Station 13

Depth (m)	Cruise 1	Cruise 5	Avg.
0		17.40	17.4
10		17.38	17.4
20			
Avg.		17.4	17.4

Station 21

Depth (m)	Cruise 1	Cruise 5	Avg.
0		15.22	15.2
10		15.37	15.4
20			
Avg.		15.3	15.3

Station 22

Depth (m)	Cruise 1	Cruise 5	Avg.
0		15.12	15.1
10		15.10	15.1
20			
Avg.		15.1	15.1

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 16.--Temperatures (°C), by station, winter season, southern outer shelf

Station 5

Depth (m)	Cruise 1	Cruise 5	Avg.
0	20.73	24.55	22.6
10	20.40	24.50	22.5
20	18.81	24.50	21.7
30	15.93	22.06	19.0
50			
75			
Avg.	19.0	23.9	21.4
100			
150			
200			
Avg.			

Station 10

Cruise 1	Cruise 5	Avg.
	24.06	24.1
	24.03	24.0
	22.91	22.9
	23.7	23.7

Station 14

Depth (m)	Cruise 1	Cruise 5	Avg.
0		22.08	22.1
10		22.09	22.1
20		21.96	22.0
30		21.16	21.2
50		21.03	21.0
75			
Avg.		21.7	21.7
100			
150			
200			
Avg.			

Station 19

Cruise 1	Cruise 5	Avg.
	21.07	21.1
	21.12	21.1
	20.93	20.9
	20.82	20.8
	21.0	21.0

Station 20

Depth (m)	Cruise 1	Cruise 5	Avg.
0		17.70	17.7
10		17.66	17.7
20		17.93	17.9
30			
50			
75			
Avg.		17.8	17.8
100			
150			
200			
Avg.			

Station

Cruise 1	Cruise 5	Avg.

Table 17.--Temperatures (°C), by station, winter season, southern offshore

Station 1

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.30	24.88	24.6
10	24.29	24.91	24.6
20	24.27	24.83	24.5
30	24.26	24.82	24.5
50	24.23	24.80	24.5
75	24.15	24.60	24.4
Avg.	24.3	24.8	24.5
100	24.01	24.16	24.1
150	22.02	21.64	21.8
200	20.36	19.47	19.9
250	19.11	18.67	18.9
300	18.02	17.94	18.0
Avg.	20.7	20.4	20.5
400	16.30	15.12	15.7
500	13.80		13.8
600			
800			
1000			
Avg.	15.1	15.1	15.1

Station 2

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.80	24.98	24.9
10	24.70	24.96	24.8
20	24.64	24.87	24.8
30	24.65	24.87	24.8
50	24.29	24.88	24.6
75	22.74	24.61	23.7
Avg.	24.3	24.9	24.6
100	21.14	24.30	22.7
150	18.23	20.03	19.1
200	16.29	16.48	16.4
250	14.72	15.36	15.0
300	12.97	13.84	13.4
Avg.	16.7	18.0	17.3
400	9.48	10.11	9.8
500			
600			
800			
1000			
Avg.	9.5	10.1	9.8

Station 6

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.52	24.89	24.7
10	24.51	24.84	24.7
20	24.51	24.84	24.7
30	24.51	24.86	24.7
50	24.38	24.89	24.6
75	23.50	24.37	23.9
Avg.	24.3	24.8	24.6
100	22.80	23.47	23.1
150	21.96	20.51	21.2
200	18.83	17.73	18.3
250	14.56	16.45	15.5
300	11.48	14.98	13.2
Avg.	17.9	18.6	18.3
400		11.51	11.5
500			
600			
800			
1000			
Avg.		11.5	11.5

Station 7

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.27	24.92	24.6
10	24.28	24.87	24.6
20	24.33	24.88	24.6
30	24.27	24.90	24.6
50	24.27	24.90	24.6
75	24.22	24.87	24.5
Avg.	24.3	24.9	24.6
100	24.11	24.65	24.4
150	22.35	22.44	22.4
200	20.41	20.18	20.3
250	18.17	18.79	18.5
300	16.44	17.74	17.1
Avg.	20.3	20.8	20.5
400		15.75	15.7
500			
600			
800			
1000			
Avg.		15.7	15.7

Table 17.--Temperatures (°C), by station, winter season, southern offshore--Continued

Depth (m)	Station 8 Cruise 1	Station 8 Cruise 5	Station 8 Avg.	Station 9 Cruise 1	Station 9 Cruise 5	Station 9 Avg.
0	24.44	24.80	24.6			
10	24.48	24.70	24.6			
20	24.48	24.74	24.6			
30	24.47	24.77	24.6			
50	24.46	24.77	24.6			
75	24.40	24.58	24.5			
Avg.	24.5	24.7	24.6			
100	24.20	24.17	24.2			
150	21.42	20.77	21.1			
200	19.35	18.79	19.1			
250	17.68	18.38	18.0			
300	16.25	17.96	17.1			
Avg.	19.8	20.0	19.9			
400	13.73	16.38	15.1			
500	11.42	12.87	12.1			
600	9.30	9.80	9.5			
800						
1000						
Avg.	11.5	13.0	12.3			

Depth (m)	Station 15 Cruise 1	Station 15 Cruise 5	Station 15 Avg.	Station 16 Cruise 1	Station 16 Cruise 5	Station 16 Avg.
0		24.89	24.9		23.56	23.6
10		24.87	24.9		23.51	23.5
20		24.86	24.9		23.46	23.5
30		24.84	24.8		23.27	23.3
50		24.82	24.8		22.97	23.0
75		24.54	24.5		22.82	22.8
Avg.		24.8	24.8		23.3	23.3
100		24.26	24.3		22.64	22.6
150		21.05	21.1		22.16	22.2
200		18.70	18.7		19.95	19.9
250		17.86	17.9		18.96	19.0
300		16.72	16.7		18.20	18.2
Avg.		19.7	19.7		20.4	20.4
400		13.52	13.5		17.45	17.5
500		10.07	10.1		16.10	16.1
600		6.36	6.4		13.30	13.3
800						
1000						
Avg.		10.0	10.0		15.6	15.6

Table 17.-- Temperatures (°C), by station, winter season, southern offshore--Continued

Depth (m)	Station 17 Cruise 1	Station 17 Cruise 5	Station 17 Avg.	Station 18 Cruise 1	Station 18 Cruise 5	Station 18 Avg.
0		23.78	23.8		24.76	24.8
10		23.76	23.8		24.74	24.7
20		23.73	23.7		24.73	24.7
30		23.58	23.6		24.79	24.8
50		23.29	23.3		24.80	24.8
75		22.92	22.9		24.62	24.6
Avg.		23.5	23.5		24.7	24.7
100		22.63	22.6		24.28	24.3
150		21.84	21.8		22.03	22.0
200		20.10	20.1		17.28	17.3
250		18.97	19.0		13.70	13.7
300		18.07	18.1		11.25	11.3
Avg.		20.3	20.3		17.7	17.7
400		16.40	16.4		8.32	8.3
500		14.68	14.7			
600		12.03	12.0			
800						
1000						
Avg.		14.4	14.4		8.3	8.3

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 18.--Temperatures (°C), by station, winter season, central inner shelf

Station 23

Depth (m)	Cruise 1	Cruise 5	Avg.
0	16.11	14.39	15.3
10	15.73	14.01	14.9
20			
Avg.	15.9	14.2	15.1

Station 34

Depth (m)	Cruise 1	Cruise 5	Avg.
0	14.80	13.09	13.9
10	14.83	13.01	13.9
20			
Avg.	14.8	13.1	13.9

Station 35

Depth (m)	Cruise 1	Cruise 5	Avg.
0	14.20	12.76	13.5
10	14.11	13.15	13.6
20			
Avg.	14.2	13.0	13.6

Station 36

Depth (m)	Cruise 1	Cruise 5	Avg.
0	13.75	13.81	13.8
10	13.70	13.78	13.7
20			
Avg.	13.7	13.8	13.8

Station 44

Depth (m)	Cruise 1	Cruise 5	Avg.
0	13.39	12.46	12.9
10	13.40	12.52	13.0
20			
Avg.	13.4	12.5	12.9

Station 45

Depth (m)	Cruise 1	Cruise 5	Avg.
0	13.50		13.5
10	13.48		13.5
20			
Avg.	13.5		13.5

Station 46

Depth (m)	Cruise 1	Cruise 5	Avg.
0	13.30	12.45	12.9
10	13.16		13.2
20			
Avg.	13.2	12.5	13.0

Station 55

Depth (m)	Cruise 1	Cruise 5	Avg.
0	13.35	14.30	13.8
10	13.29	14.02	13.7
20			
Avg.	13.3	14.2	13.7

Station 56

Depth (m)	Cruise 1	Cruise 5	Avg.
0		10.97	11.0
10			
20			
Avg.		11.0	11.0

Station

Depth (m)	Cruise	Avg.

Table 19.--Temperatures (°C), by station, winter season, central outer shelf

Station 24

Depth (m)	Cruise 1	Cruise 5	Avg.
0	17.27	16.50	16.9
10	17.28	16.13	16.7
20	17.30		17.3
30			
50			
75			
Avg.	17.3	16.3	16.9
100			
150			
200			
Avg.			

Station 25

Depth (m)	Cruise 1	Cruise 5	Avg.
0	18.18	20.47	19.3
10	18.19	20.41	19.3
20	18.22	20.34	19.3
30	18.16		18.2
50			
75			
Avg.	18.2	20.4	19.1
100			
150			
200			
Avg.			

Station 26

Depth (m)	Cruise 1	Cruise 5	Avg.
0	20.94	21.36	21.1
10	20.91	21.34	21.1
20	20.91	21.16	21.0
30	20.55	20.70	20.6
50	18.00	20.09	19.0
75	12.02	19.93	16.0
Avg.	18.9	20.8	19.8
100	8.76	19.09	13.9
150	6.88		6.9
200			
Avg.	7.8	19.1	11.6

Station 31

Depth (m)	Cruise 1	Cruise 5	Avg.

Station 32

Depth (m)	Cruise 1	Cruise 5	Avg.
0	18.14		18.1
10	18.15		18.1
20	18.20		18.2
30	18.15		18.1
50			
75			
Avg.	18.2		18.2
100			
150			
200			
Avg.			

Station 33

Depth (m)	Cruise 1	Cruise 5	Avg.
0	15.61	15.48	15.5
10	15.62	15.50	15.6
20	15.65		15.7
30			
50			
75			
Avg.	15.6	15.5	15.6
100			
150			
200			
Avg.			

Table 19.--Temperatures (°C), by station, winter season, central outer shelf--Continued

Station 37

Depth (m)	Cruise 1	Cruise 5	Avg.
0	16.27	14.40	15.3
10	16.21	14.38	15.3
20	16.24	14.35	15.3
30	16.23		16.2
50			
75			
Avg.	16.2	14.4	15.4
100			
150			
200			
Avg.			

Station 38

Depth (m)	Cruise 1	Cruise 5	Avg.
0	19.40	18.05	18.7
10	19.21	18.02	18.6
20	18.95	18.01	18.5
30	17.93	18.02	18.0
50			
75			
Avg.	18.9	18.0	18.4
100			
150			
200			
Avg.			

Station 42

Depth (m)	Cruise 1	Cruise 5	Avg.
0	17.16	21.60	19.4
10	17.09	21.32	19.2
20	17.14	20.37	18.8
30	17.11	19.90	18.5
50	17.02	18.96	18.0
75	15.59	17.77	16.7
Avg.	16.9	20.0	18.4
100			
150			
200			
Avg.			

Station 43

Depth (m)	Cruise 1	Cruise 5	Avg.
0	16.55	17.95	17.3
10	16.50	17.46	17.0
20	16.54	16.93	16.7
30			
50			
75			
Avg.	16.5	17.4	17.0
100			
150			
200			
Avg.			

Station 47

Depth (m)	Cruise 1	Cruise 5	Avg.
0	16.80	18.44	17.6
10	16.74	17.39	17.1
20	16.74	17.17	17.0
30			
50			
75			
Avg.	16.8	17.7	17.2
100			
150			
200			
Avg.			

Station 48

Depth (m)	Cruise 1	Cruise 5	Avg.
0	19.71	19.41	19.6
10	19.61	19.17	19.4
20	19.66	19.10	19.4
30	18.64	19.09	18.9
50	16.88	18.96	17.9
75	13.62	18.60	16.1
Avg.	18.0	19.1	18.5
100	12.25	17.98	15.1
150	11.18	15.97	13.6
200	10.69		10.7
Avg.	11.4	17.0	13.6

Table 19.--Temperatures (°C), by station, winter season, central outer shelf--Continued

Depth (m)	Station 53 Cruise 1	Station 53 Cruise 5	Station 53 Avg.	Station 54 Cruise 1	Station 54 Cruise 5	Station 54 Avg.
0	20.18	19.85	20.0	14.12	18.56	16.3
10	20.08	19.80	19.9	15.55	18.53	17.0
20	19.73	19.78	19.8	15.62	17.41	16.5
30	18.04	19.72	18.9			
50	17.18	19.61	18.4			
75	14.73	18.74	16.7			
Avg.	18.3	19.6	19.0	15.1	18.2	16.6
100	13.25	17.86	15.6			
150	11.14	16.11	13.6			
200						
Avg.	12.2	17.0	14.6			

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 20.--Temperatures (°C), by station, winter season, central offshore

Depth (m)	Station 27 Cruise 1	Station 27 Cruise 5	Station 27 Avg.	Station 28 Cruise 1	Station 28 Cruise 5	Station 28 Avg.
0					23.49	23.5
10					23.46	23.5
20					23.44	23.4
30					23.47	23.5
50					23.49	23.5
75					23.41	23.4
Avg.					23.5	23.5
100					23.35	23.3
150					22.64	22.6
200					20.31	20.3
250					19.60	19.6
300					19.06	19.1
Avg.					21.0	21.0
400						
500						
600						
800						
1000						
Avg.						

Depth (m)	Station 29 Cruise 1	Station 29 Cruise 5	Station 29 Avg.	Station 30 Cruise 1	Station 30 Cruise 5	Station 30 Avg.
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 20.--Temperatures (°C), by station, winter season, central offshore--Continued

Station 39

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.10	23.38	23.7
10	23.94	23.34	23.6
20	23.93	23.07	23.5
30	23.04	22.44	22.7
50	21.35	21.27	21.3
75	19.73	19.96	19.8
Avg.	22.7	22.2	22.5
100	18.69		18.7
150	16.64		16.6
200	14.63		14.6
250	12.63		12.6
300	10.76		10.8
Avg.	14.7		14.7
400			
500			
600			
800			
1000			
Avg.			

Station 40

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.47	23.97	24.2
10	24.46	23.90	24.2
20	24.46	23.89	24.2
30	24.46	23.91	24.2
50	24.43	23.94	24.2
75	23.65	23.94	23.8
Avg.	24.3	23.9	24.1
100	22.71	23.83	23.3
150	21.08	22.28	21.7
200		20.16	20.2
250		18.92	18.9
300		17.10	17.1
Avg.	21.9	20.5	20.9
400		12.48	12.5
500			
600			
800			
1000			
Avg.		12.5	12.5

Station 41

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.63	23.39	24.0
10	24.62	23.37	24.0
20	24.63	23.29	24.0
30	24.61	23.18	23.9
50	24.36	23.09	23.7
75	23.88	22.82	23.3
Avg.	24.5	23.2	23.8
100	23.20	21.14	22.2
150	21.30	16.92	19.1
200	19.42	14.15	16.8
250	18.44	12.25	15.3
300	17.62	11.05	14.3
Avg.	20.0	15.1	17.5
400		9.52	9.5
500			
600			
800			
1000			
Avg.		9.5	9.5

Station 49

Depth (m)	Cruise 1	Cruise 5	Avg.
0	23.64	23.27	23.5
10	23.59	23.24	23.4
20	22.35	23.23	22.8
30	20.70	22.91	21.8
50	18.34	21.26	19.8
75	17.81	19.73	18.8
Avg.	21.1	22.3	21.7
100	17.30	18.52	17.9
150	15.23	16.96	16.1
200	12.45	15.46	14.0
250	9.78	13.85	11.8
300			
Avg.	13.7	16.2	14.9

Table 20.--Temperatures (°C), by station, winter season, central offshore--Continued

Station 50

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.20	23.91	24.1
10	24.15	23.91	24.0
20	24.18	23.87	24.0
30	24.19	23.87	24.0
50	24.15	23.84	24.0
75	24.01	23.46	23.7
Avg.	24.1	23.8	24.0
100	23.32	22.49	22.9
150	20.63	21.05	20.8
200	18.51	18.77	18.6
250	16.83	16.56	16.7
300	15.45	15.40	15.4
Avg.	18.9	18.9	18.9
400	13.18	11.80	12.5
500	11.06		11.1
600			
800			
1000			
Avg.	12.1	11.8	12.0

Station 51

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.03	21.46	22.7
10	23.91	21.51	22.7
20	23.93	21.47	22.7
30	23.96	21.15	22.6
50	23.50	20.55	22.0
75	21.90	19.99	20.9
Avg.	23.5	21.0	22.3
100	19.90	18.56	19.2
150	16.19	14.39	15.3
200	14.23	12.49	13.4
250		10.85	10.9
300		9.49	9.5
Avg.	16.8	13.2	14.5
400		7.56	7.6
500		6.46	6.5
600			
800			
1000			
Avg.		7.0	7.0

Station 52

Depth (m)	Cruise 1	Cruise 5	Avg.
0	19.12	20.89	20.0
10	18.94	20.92	19.9
20	18.94	20.75	19.8
30	18.19	20.26	19.2
50	15.23	19.42	17.3
75	13.25	18.91	16.1
Avg.	17.3	20.2	18.7
100	12.35	18.18	15.3
150	10.88	16.09	13.5
200	9.84	12.59	11.2
250	9.38	11.23	10.3
300		10.18	10.2
Avg.	10.6	13.7	12.3
400			
500			
600			
800			
1000			
Avg.			

Station

Depth (m)	Cruise	Avg.

Table 21.--Temperatures (°C), by station, winter season, northern inner shelf

Station 57

Depth (m)	Cruise 1	Cruise 5	Avg.
0	12.10		12.1
10	14.14		14.1
20			
Avg.	13.1		13.1

Station 58

Depth (m)	Cruise 1	Cruise 5	Avg.
0	12.67	14.22	13.4
10	12.81	14.16	13.5
20			
Avg.	12.7	14.2	13.5

Station 67

Depth (m)	Cruise 1	Cruise 5	Avg.
0		12.14	12.1
10		11.91	11.9
20			
Avg.		12.0	12.0

Station 68

Depth (m)	Cruise 1	Cruise 5	Avg.
0		14.00	14.0
10		13.12	13.1
20			
Avg.		13.6	13.6

Station 69

Depth (m)	Cruise 1	Cruise 5	Avg.
0	13.64	11.43	12.5
10	13.56	11.51	12.5
20			
Avg.	13.6	11.5	12.5

Station 76

Depth (m)	Cruise 1	Cruise 5	Avg.
0		15.58	15.6
10		16.56	16.6
20			
Avg.		16.1	16.1

Station 77

Depth (m)	Cruise 1	Cruise 5	Avg.
0	14.65	14.77	14.7
10		14.76	14.8
20		16.05	16.1
Avg.	14.7	15.2	15.1

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.

Table 22.--Temperatures (°C), by station, winter season, northern outer shelf

Station 59

Depth (m)	Cruise 1	Cruise 5	Avg.
0	18.10	17.58	17.8
10	18.21	17.59	17.9
20	18.22	17.56	17.9
30			
50			
75			
Avg.	18.2	17.6	17.9
100			
150			
200			
Avg.			

Station 60

Depth (m)	Cruise 1	Cruise 5	Avg.
0	20.38		20.4
10	20.24		20.2
20	19.99		20.0
30	19.88		19.9
50	17.40		17.4
75	16.71		16.7
Avg.	19.1		19.1
100	15.87		15.9
150			
200			
Avg.	15.9		15.9

Station 65

Depth (m)	Cruise 1	Cruise 5	Avg.
0		20.75	20.7
10		20.76	20.8
20		20.73	20.7
30		20.64	20.6
50			
75			
Avg.		20.7	20.7
100			
150			
200			
Avg.			

Station 66

Depth (m)	Cruise 1	Cruise 5	Avg.
0		18.26	18.3
10		18.24	18.2
20		14.30	14.3
30			
50			
75			
Avg.		16.9	16.9
100			
150			
200			
Avg.			

Station 70

Depth (m)	Cruise 1	Cruise 5	Avg.
0	15.90	18.45	17.2
10	15.20	18.45	16.8
20	14.54	18.41	16.5
30			
50			
75			
Avg.	15.2	18.4	16.8
100			
150			
200			
Avg.			

Station 71

Depth (m)	Cruise 1	Cruise 5	Avg.
0	20.81	21.60	21.2
10	20.37	21.60	21.0
20	20.00	21.49	20.7
30	19.74	21.23	20.5
50		20.78	20.8
75		20.38	20.4
Avg.	20.2	21.2	20.8
100		20.14	20.1
150			
200			
Avg.		20.1	20.1

Table 22.--Temperatures (°C), by station, winter season, northern outer shelf--Continued

Depth (m)	Station 75 Cruise 1	Station 75 Cruise 5	Station 75 Avg.	Station 78 Cruise 1	Station 78 Cruise 5	Station 78 Avg.
0	16.87	21.59	19.2			
10	16.94	21.59	19.3			
20	17.15	20.89	19.0			
30		20.17	20.2			
50						
75						
Avg.	17.0	21.1	19.3			
100						
150						
200						
Avg.						

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 23 -- Temperatures (°C), by station, winter season, northern offshore

Station 61

Depth (m)	Cruise 1	Cruise 5	Avg.
0	20.17	20.28	20.2
10	20.10	20.29	20.2
20	19.36	20.26	19.8
30	19.14	20.25	19.7
50	17.87	20.24	19.1
75	17.30	19.69	18.5
Avg.	19.0	20.2	19.6
100	16.57	18.07	17.3
150	12.81	13.96	13.4
200	11.26	12.13	11.7
250	9.64	10.22	9.9
300		8.68	8.7
Avg.	12.6	12.6	12.6
400			
500			
600			
800			
1000			
Avg.			

Station 62

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.16	21.05	22.6
10	24.14	21.09	22.6
20	24.15	21.07	22.6
30	24.14	20.98	22.6
50	24.13	20.78	22.5
75	23.97	20.52	22.2
Avg.	24.1	20.9	22.5
100	23.31	19.10	21.2
150	21.50	15.06	18.3
200	19.55	12.61	16.1
250	18.55	10.79	14.7
300	17.67	9.73	13.7
Avg.	20.1	13.5	16.8
400	15.75	7.84	11.8
500	13.12	6.06	9.6
600	9.99		10.0
800			
1000			
Avg.	13.0	6.9	10.6

Station 63

Depth (m)	Cruise 1	Cruise 5	Avg.
0		22.47	22.5
10		22.49	22.5
20		22.52	22.5
30		22.45	22.5
50		21.87	21.9
75		20.21	20.2
Avg.		22.0	22.0
100		18.49	18.5
150		15.06	15.1
200		12.53	12.5
250		11.05	11.1
300		9.74	9.7
Avg.		13.4	13.4
400		7.87	7.9
500		7.03	7.0
600		5.97	6.0
800			
1000			
Avg.		7.0	7.0

Station 64

Depth (m)	Cruise 1	Cruise 5	Avg.
0		21.39	21.4
10		21.40	21.4
20		21.36	21.4
30		21.09	21.1
50		20.59	20.6
75		20.14	20.1
Avg.		21.0	21.0
100		19.16	19.2
150		16.18	16.2
200		13.44	13.4
Avg.		16.3	16.3

Table 23.--Temperatures (°C), by station, winter season, northern offshore--Continued

Station 72

Depth (m)	Cruise 1	Cruise 5	Avg.
0	24.15		24.1
10	24.12		24.1
20	24.11		24.1
30	24.08		24.1
50	23.95		23.9
75	23.36		23.4
Avg.	24.0		24.0
100	22.64		22.6
150	20.72		20.7
200	19.03		19.0
250	17.85		17.9
300	16.84		16.8
Avg.	19.4		19.4
400	15.00		15.0
500	13.14		13.1
600			
800			
1000			
Avg.	14.1		14.1

Station 73

Depth (m)	Cruise 1	Cruise 5	Avg.

Station 74

Depth (m)	Cruise 1	Cruise 5	Avg.
0	23.44		23.4
10	23.57		23.6
20	23.50		23.5
30	23.40		23.4
50	23.15		23.1
75	22.45		22.5
Avg.	23.3		23.3
100	20.85		20.9
150	17.13		17.1
200			
250			
300			
Avg.	19.0		19.0
400			
500			
600			
800			
1000			
Avg.			

Station 79

Depth (m)	Cruise 1	Cruise 5	Avg.

Table 24.--Temperatures (°C), by station, spring season, southern inner shelf

Station 3

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.91	25.19	24.1
10	22.86	25.21	24.0
20			
Avg.	22.9	25.2	24.0

Station 4

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.86	24.60	23.7
10	22.82	24.59	23.7
20			
Avg.	22.8	24.6	23.7

Station 11

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.73	24.59	23.7
10			
20			
Avg.	22.7	24.6	23.7

Station 12

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.37	23.97	22.7
10	21.13	23.71	22.4
20			
Avg.	21.3	23.8	22.5

Station 13

Depth (m)	Cruise 2	Cruise 6	Avg.
0		23.21	23.2
10	21.65	22.91	22.3
20			
Avg.	21.7	23.1	22.6

Station 21

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.11		21.1
10	21.03		21.0
20			
Avg.	21.1		21.1

Station 22

Depth (m)	Cruise 2	Cruise 6	Avg.
0	20.84		20.8
10	20.79		20.8
20			
Avg.	20.8		20.8

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 25.-- Temperatures (°C), by station, spring season, southern outer shelf

Station 5

Depth (m)	Cruise 2	Cruise 6	Avg.
0	23.90	24.99	24.4
10	23.56	23.98	23.8
20	20.70	21.02	20.9
30	18.99	19.24	19.1
50			
75			
Avg.	21.8	22.3	22.0
100			
150			
200			
Avg.			

Station 10

Depth (m)	Cruise 2	Cruise 6	Avg.
0	24.20	24.84	24.5
10	23.52	24.84	24.2
20	19.73	23.74	21.7
30		21.17	21.2
50			
75			
Avg.	22.5	23.6	23.1
100			
150			
200			
Avg.			

Station 14

Depth (m)	Cruise 2	Cruise 6	Avg.
0	24.97	25.66	25.3
10	25.00	25.41	25.2
20	24.95	24.29	24.6
30	24.90	23.67	24.3
50		20.51	20.5
75			
Avg.	25.0	23.9	24.4
100			
150			
200			
Avg.			

Station 19

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.68		22.7
10	22.72		22.7
20	22.74		22.7
30	20.18		20.2
50			
75			
Avg.	22.1		22.1
100			
150			
200			
Avg.			

Station 20

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.75		21.7
10	21.74		21.7
20	21.30		21.3
30			
50			
75			
Avg.	21.6		21.6
100			
150			
200			
Avg.			

Station

Depth (m)	Cruise	Avg.

Table 26.--Temperatures (°C), by station, spring season, southern offshore

Station 1

Depth (m)	Cruise 2	Cruise 6	Avg.
0	26.70	26.24	26.5
10	26.03	26.25	26.1
20	25.99	26.21	26.1
30	25.98	26.21	26.1
50	25.96	26.21	26.1
75	25.47	25.98	25.7
Avg.	26.0	26.2	26.1
100	24.57	25.68	25.1
150	21.59	22.42	22.0
200	19.05	20.06	19.6
250	17.11	18.86	18.0
300	15.40	17.75	16.6
Avg.	19.5	21.0	20.2
400	12.18	15.79	14.0
500		13.92	13.9
600		11.46	11.5
800			
1000			
Avg.	12.2	13.7	13.3

Station 2

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.22	26.00	25.6
10	25.20	26.00	25.6
20	25.15	25.99	25.6
30	24.84	25.97	25.4
50	23.49	25.86	24.7
75	20.92	25.79	23.4
Avg.	24.1	25.9	25.0
100	17.94	25.15	21.5
150	12.61	22.13	17.4
200		17.57	17.6
250		15.91	15.9
300		14.27	14.3
Avg.	15.3	19.0	17.9
400		11.06	11.1
500		9.63	9.6
600			
800			
1000			
Avg.		10.3	10.3

Station 6

Depth (m)	Cruise 2	Cruise 6	Avg.
0	26.21	26.45	26.3
10	25.93	26.44	26.2
20	25.90	26.46	26.2
30	25.88	26.47	26.2
50	25.55	26.42	26.0
75	23.57	25.43	24.5
Avg.	25.5	26.3	25.9
100	21.66	22.51	22.1
150	18.93	19.65	19.3
200	16.90	16.78	16.8
250	14.42	13.87	14.1
300		11.01	11.0
Avg.	18.0	16.8	17.3
400			
500			
600			
800			
1000			
Avg.			

Station 7

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.90	26.20	26.1
10	25.90	26.19	26.0
20	25.90	26.21	26.1
30	25.88	26.21	26.0
50	25.82	26.18	26.0
75	25.12	26.15	25.6
Avg.	25.8	26.2	26.0
100	23.93	25.80	24.9
150	21.13	22.57	21.9
200	19.64	20.50	20.1
250	18.36	18.82	18.6
300	17.15	17.49	17.3
Avg.	20.0	21.0	20.5
400	14.38	15.34	14.9
500			
600			
800			
1000			
Avg.	14.4	15.3	14.9

Table 26.--Temperatures (°C), by station, spring season, southern offshore--Continued

Station 8

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.90	26.27	26.1
10	25.93	26.27	26.1
20	25.96	26.25	26.1
30	25.96	26.20	26.1
50	25.93	26.05	26.0
75	24.74	25.87	25.3
Avg.	25.7	26.2	25.9
100	23.31	25.45	24.4
150	20.46	23.91	22.2
200	19.49	21.32	20.4
250	18.27	18.99	18.6
300	17.09	17.00	17.0
Avg.	19.7	21.3	20.5
400	14.65	14.03	14.3
500	11.91	11.09	11.5
600	9.56	9.11	9.3
800			
1000			
Avg.	12.0	11.4	11.7

Station 9

Cruise 2	Cruise 6	Avg.
25.65	26.44	26.0
25.66	26.43	26.0
25.65	26.47	26.1
25.60	26.48	26.0
24.59	26.47	25.5
22.56	26.15	24.4
25.0	26.4	25.7
21.10	24.44	22.8
19.05	19.53	19.3
16.87	17.82	17.3
	14.14	14.1
19.0	19.0	19.0

Station 15

Depth (m)	Cruise 2	Cruise 6	Avg.
0	26.00	26.79	26.4
10	26.02	26.52	26.3
20	26.03	26.40	26.2
30	26.01	26.28	26.1
50	26.00	26.05	26.0
75	25.34	25.83	25.6
Avg.	25.9	26.3	26.1
100	24.68	25.25	25.0
150	22.20	21.95	22.1
200	19.88	18.87	19.4
250	19.07	16.70	17.9
300	18.19	15.05	16.6
Avg.	20.8	19.6	20.2
400	16.43	11.25	13.8
500	13.94	8.08	11.0
600	10.73		10.7
800			
1000			
Avg.	13.7	9.7	12.1

Station 16

Cruise 2	Cruise 6	Avg.
25.70	26.30	26.0
25.76	26.35	26.1
25.78	26.20	26.0
24.85	26.18	25.5
23.59	26.16	24.9
23.31	25.92	24.6
24.8	26.2	25.5
22.88	25.36	24.1
21.48	23.43	22.5
19.92	21.94	20.9
19.08	19.79	19.4
18.32	18.13	18.2
20.3	21.7	21.0
16.58	15.98	16.3
13.88	12.92	13.4
11.53	10.32	10.9
14.0	13.1	13.5

Table 26.--Temperatures (°C), by station, spring season, southern offshore--Continued

Depth (m)	Station 17 Cruise 2	Station 17 Cruise 6	Station 17 Avg.	Station 18 Cruise 2	Station 18 Cruise 6	Station 18 Avg.
0	26.00	26.10	26.1	25.80		25.8
10	25.96	26.16	26.1	25.75		25.7
20	25.51	26.03	25.8	25.72		25.7
30	24.77	25.94	25.4	25.51		25.5
50	23.83	25.79	24.8	24.48		24.5
75	23.08	25.60	24.3	22.33		22.3
Avg.	24.9	25.9	25.4	24.9		24.9
100	22.47	25.21	23.8	20.32		20.3
150	20.73	23.48	22.1	18.33		18.3
200	19.82	21.17	20.5			
250	18.95	19.22	19.1			
300	17.97	17.88	17.9			
Avg.	20.0	21.4	20.7	19.3		19.3
400	15.54	15.89	15.7			
500	12.84	13.96	13.4			
600	9.93	11.49	10.7			
800						
1000						
Avg.	12.8	13.8	13.3			

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 27.--Temperatures (°C), by station, spring season, central inner shelf

Station 23

Depth (m)	Cruise 2	Cruise 6	Avg.
0	20.75		20.7
10	20.55		20.5
20			
Avg.	20.7		20.7

Station 34

Depth (m)	Cruise 2	Cruise 6	Avg.
0	19.79		19.8
10	19.80		19.8
20			
Avg.	19.8		19.8

Station 35

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.11		22.1
10	20.90		20.9
20			
Avg.	21.5		21.5

Station 36

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.98		22.0
10	21.21		21.2
20			
Avg.	21.6		21.6

Station 44

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.01		22.0
10	19.59		19.6
20			
Avg.	20.8		20.8

Station 45

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.04		22.0
10	19.04		19.0
20			
Avg.	20.5		20.5

Station 46

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.31		22.3
10			
20			
Avg.	22.3		22.3

Station 55

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.35		22.3
10	20.34		20.3
20			
Avg.	21.3		21.3

Station 56

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.26		21.3
10			
20			
Avg.	21.3		21.3

Station

Depth (m)	Cruise		Avg.

Table 28.--Temperatures (°C), by station, spring season, central outer shelf

Station 24

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.19		21.2
10	21.18		21.2
20	21.09		21.1
30			
50			
75			
Avg.	21.2		21.2
100			
150			
200			
Avg.			

Station 25

Cruise 2	Cruise 6	Avg.
21.62		21.6
21.65		21.7
21.17		21.2
21.5		21.5

Station 26

Depth (m)	Cruise 2	Cruise 6	Avg.
0	23.24		23.2
10	23.23		23.2
20	23.16		23.2
30	22.94		22.9
50	21.51		21.5
75	18.02		18.0
Avg.	22.0		22.0
100	13.98		14.0
150			
200			
Avg.	14.0		14.0

Station 31

Cruise 2	Cruise 6	Avg.
22.74		22.7
22.73		22.7
22.66		22.7
22.66		22.7
22.7		22.7

Station 32

Depth (m)	Cruise 2	Cruise 6	Avg.
0	20.55		20.5
10	20.52		20.5
20	20.70		20.7
30	20.81		20.8
50			
75			
Avg.	20.6		20.6
100			
150			
200			
Avg.			

Station 33

Cruise 2	Cruise 6	Avg.
19.93		19.9
20.00		20.0
20.0		20.0

Table 28--Temperatures (°C), by station, spring season, central outer shelf--Continued

Station 37

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.78		22.8
10	21.97		22.0
20	21.23		21.2
30			
50			
75			
Avg.	22.0		22.0
100			
150			
200			
Avg.			

Station 38

Cruise 2	Cruise 6	Avg.
23.34		23.3
23.26		23.3
22.33		22.3
18.27		18.3
21.8		21.8

Station 42

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.16		22.2
10	21.89		21.9
20	20.94		20.9
30	19.05		19.1
50	16.57		16.6
75	14.84		14.8
Avg.	19.2		19.2
100	13.30		13.3
150			
200			
Avg.	13.3		13.3

Station 43

Cruise 2	Cruise 6	Avg.
22.63		22.6
22.34		22.3
20.12		20.1
21.7		21.7

Station 47

Depth (m)	Cruise 2	Cruise 6	Avg.
0	22.32		22.3
10	20.20		20.2
20	18.06		18.1
30			
50			
75			
Avg.	20.2		20.2
100			
150			
200			
Avg.			

Station 48

Cruise 2	Cruise 6	Avg.
24.25		24.3
24.13		24.1
22.58		22.6
21.11		21.1
18.71		18.7
17.20		17.2
21.3		21.3
15.86		15.9
13.73		13.7
10.46		10.5
13.3		13.3

Table 28.--Temperatures (°C), by station, spring season, central outer shelf--Continued

Depth (m)	Station 53 Cruise 2	Station 53 Cruise 6	Station 53 Avg.	Station 54 Cruise 2	Station 54 Cruise 6	Station 54 Avg.
0	24.57		24.6	22.03		22.0
10	24.59		24.6	22.04		22.0
20	24.60		24.6	21.00		21.0
30	23.99		24.0			
50	22.62		22.6			
75	20.42		20.4			
Avg.	23.5		23.5	21.7		21.7
100	18.36		18.4			
150	14.64		14.6			
200						
Avg.	16.5		16.5			

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 29.--Temperatures (°C), by station, spring season, central offshore

Station 27

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.70		25.7
10	25.65		25.7
20	25.63		25.6
30	25.62		25.6
50	24.80		24.8
75	23.30		23.3
Avg.	25.1		25.1
100	21.40		21.4
150	18.90		18.9
200	17.00		17.0
250	15.15		15.1
300			
Avg.	18.1		18.1
400			
500			
600			
800			
1000			
Avg.			

Station 28

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.80		25.8
10	25.75		25.7
20	25.68		25.7
30	25.63		25.6
50	24.39		24.4
75	22.61		22.6
Avg.	25.0		25.0
100	22.17		22.2
150	21.02		21.0
200	20.01		20.0
250	19.03		19.0
300	18.05		18.1
Avg.	20.1		20.1
400	16.05		16.1
500	13.95		13.9
600			
800			
1000			
Avg.	15.0		15.0

Station 29

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.80		25.8
10	25.77		25.8
20	25.75		25.7
30	25.73		25.7
50	24.77		24.8
75	23.42		23.4
Avg.	25.2		25.2
100	22.28		22.3
150	20.31		20.3
200	19.61		19.6
250	18.70		18.7
300	17.61		17.6
Avg.	19.7		19.7
400	14.74		14.7
500	10.44		10.4
600			
800			
1000			
Avg.	12.6		12.6

Station 30

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.20		25.2
10	24.98		25.0
20	24.86		24.9
30	24.53		24.5
50	23.79		23.8
75	22.18		22.2
Avg.	24.3		24.3
100	19.80		19.8
150	17.95		17.9
200	16.35		16.3
250	14.36		14.4
300	12.18		12.2
Avg.	16.1		16.1

Table 29.-- Temperatures (°C), by station, spring season, central offshore-- Continued

Station 39

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.74		25.7
10	25.59		25.6
20	24.75		24.7
30	23.77		23.8
50	22.40		22.4
75	19.84		19.8
Avg.	23.7		23.7
100	16.59		16.6
150	13.40		13.4
200	10.90		10.9
250			
300			
Avg.	13.6		13.6
400			
500			
600			
800			
1000			
Avg.			

Station 40

Depth (m)	Cruise 2	Cruise 6	Avg.
0	26.77		26.8
10	26.71		26.7
20	26.54		26.5
30	26.31		26.3
50	25.40		25.4
75	23.86		23.9
Avg.	25.9		25.9
100	23.00		23.0
150	21.16		21.2
200	19.49		19.5
250	18.43		18.4
300	17.82		17.8
Avg.	20.0		20.0
400	15.50		15.5
500			
600			
800			
1000			
Avg.	15.5		15.5

Station 41

Depth (m)	Cruise 2	Cruise 6	Avg.
0	27.00		27.0
10	26.96		27.0
20	26.80		26.8
30	26.52		26.5
50	25.73		25.7
75	24.34		24.3
Avg.	26.2		26.2
100	22.49		22.5
150	19.29		19.3
200	15.99		16.0
250			
300			
Avg.	19.3		19.3
400			
500			
600			
800			
1000			
Avg.			

Station 49

Depth (m)	Cruise 2	Cruise 6	Avg.
0	23.77		23.8
10	23.76		23.8
20	23.58		23.6
30	22.52		22.5
50	19.96		20.0
75	16.42		16.4
Avg.	21.7		21.7
100	14.63		14.6
150	12.39		12.4
200	9.25		9.3
250	7.11		7.1
300			
Avg.	10.8		10.8
400			
500			
600			
800			
1000			
Avg.			

Table 30.--Temperatures (°C), by station, spring season, northern inner shelf

Station 57

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.47		21.5
10	21.00		21.0
20			
Avg.	21.2		21.2

Station 58

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.24		21.2
10	19.41		19.4
20			
Avg.	20.3		20.3

Station 67

Depth (m)	Cruise 2	Cruise 6	Avg.
0	20.63		20.6
10	19.50		19.5
20			
Avg.	20.1		20.1

Station 68

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.14		21.1
10	20.32		20.3
20			
Avg.	20.7		20.7

Station 69

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.02		21.0
10	20.29		20.3
20			
Avg.	20.7		20.7

Station 76

Depth (m)	Cruise 2	Cruise 6	Avg.
0	19.85		19.9
10	19.84		19.8
20			
Avg.	19.8		19.8

Station 77

Depth (m)	Cruise 2	Cruise 6	Avg.
0	20.05		20.1
10	20.04		20.0
20			
Avg.	20.1		20.1

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 31.-- Temperatures (°C), by station, spring season, northern outer shelf

Station 59

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.39		21.4
10	21.00		21.0
20			
30			
50			
75			
Avg.	21.2		21.2
100			
150			
200			
Avg.			

Station 60

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.75		21.7
10	21.73		21.7
20	22.41		22.4
30	21.11		21.1
50	19.15		19.1
75	17.89		17.9
Avg.	20.7		20.7
100	16.00		16.0
150	14.12		14.1
200	12.33		12.3
Avg.	14.1		14.1

Station 65

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.94		21.9
10	21.98		22.0
20	21.69		21.7
30	20.17		20.2
50			
75			
Avg.	21.4		21.4
100			
150			
200			
Avg.			

Station 66

Depth (m)	Cruise 2	Cruise 6	Avg.
0	21.20		21.2
10	20.83		20.8
20	19.46		19.5
30			
50			
75			
Avg.	20.5		20.5
100			
150			
200			
Avg.			

Station 70

Depth (m)	Cruise 2	Cruise 6	Avg.
0	20.78		20.8
10	20.14		20.1
20	19.21		19.2
30			
50			
75			
Avg.	20.0		20.0
100			
150			
200			
Avg.			

Station 71

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.23		25.2
10	25.27		25.3
20	25.00		25.0
30	24.90		24.9
50	24.36		24.4
75	23.06		23.1
Avg.	24.6		24.6
100	21.48		21.5
150			
200			
Avg.	21.5		21.5

Table 31.--Temperatures (°C), by station, spring season, northern outer shelf--Continued

Depth (m)	Station 75 Cruise 2	Station 75 Cruise 6	Station 75 Avg.	Station 78 Cruise 2	Station 78 Cruise 6	Station 78 Avg.
0	21.25		21.3	19.96		20.0
10	21.24		21.2	19.94		19.9
20	20.74		20.7	19.76		19.8
30	19.99		20.0			
50						
75						
Avg.	20.8		20.8	19.9		19.9
100						
150						
200						
Avg.						

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 32.-- Temperatures (°C), by station, spring season, northern offshore

Station 61

Depth (m)	Cruise 2	Cruise 6	Avg.
0	24.08		24.1
10	23.61		23.6
20	23.58		23.6
30	21.29		21.3
50	17.25		17.3
75	13.22		13.2
Avg.	20.5		20.5
100	11.15		11.1
150	9.72		9.7
200	8.82		8.8
250	8.25		8.3
300	7.93		7.9
Avg.	9.2		9.2
400	7.59		7.6
500			
600			
800			
1000			
Avg.	7.6		7.6

Station 62

Depth (m)	Cruise 2	Cruise 6	Avg.
0	26.00		26.0
10	25.80		25.8
20	25.75		25.7
30	25.48		25.5
50	24.66		24.7
75	22.99		23.0
Avg.	25.1		25.1
100	21.56		21.6
150	19.87		19.9
200	17.79		17.8
250	17.00		17.0
300	16.37		16.4
Avg.	18.5		18.5
400	15.19		15.2
500			
600			
800			
1000			
Avg.	15.2		15.2

Station 63

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.04		25.0
10	24.90		24.9
20	24.79		24.8
30	24.69		24.7
50	23.49		23.5
75	21.35		21.3
Avg.	24.0		24.0
100	18.15		18.1
150	14.77		14.8
200			
250			
300			
Avg.	16.5		16.5
400			
500			
600			
800			
1000			
Avg.			

Station 64

Depth (m)	Cruise 2	Cruise 6	Avg.
0	23.62		23.6
10	23.55		23.5
20	19.50		19.5
30	19.20		19.2
50	18.69		18.7
Avg.	20.9		20.9

Table 32.--Temperatures (°C), by station, spring season, northern offshore--Continued

Station 72

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.40		25.4
10	25.44		25.4
20	25.23		25.2
30	24.42		24.4
50	23.25		23.3
75	21.60		21.6
Avg.	24.2		24.2
100	19.85		19.9
150	14.95		14.9
200	13.58		13.6
250	12.80		12.8
300	12.02		12.0
Avg.	14.6		14.6
400	8.88		8.9
500			
600			
800			
1000			
Avg.	8.9		8.9

Station 73

Cruise 2	Cruise 6	Avg.
25.74		25.7
25.74		25.7
25.77		25.8
25.67		25.7
25.21		25.2
23.75		23.7
25.3		25.3
22.63		22.6
21.39		21.4
20.08		20.1
18.80		18.8
18.18		18.2
20.2		20.2
16.31		16.3
16.3		16.3

Station 74

Depth (m)	Cruise 2	Cruise 6	Avg.
0	25.98		26.0
10	25.98		26.0
20	25.98		26.0
30	25.63		25.6
50	24.85		24.9
75	23.66		23.7
Avg.	25.3		25.3
100	22.48		22.5
150	20.10		20.1
200	18.29		18.3
250	17.29		17.3
300	15.46		15.5
Avg.	18.7		18.7
400	11.79		11.8
500	7.35		7.3
600	5.33		5.3
800	4.18		4.2
1000	4.00		4.0
Avg.	6.5		6.5

Station 79

Cruise 2	Cruise 6	Avg.
25.35		25.3
25.36		25.4
25.38		25.4
25.37		25.4
24.66		24.7
22.98		23.0
24.9		24.9
21.41		21.4
18.50		18.5
15.85		15.9
13.48		13.5
11.41		11.4
16.1		16.1

Table 32.--Temperatures (°C), by station, spring season, northern offshore--Continued

Depth (m)	Station 80 Cruise 2	Station 80 Cruise 6	Station 80 Avg.	Station Cruise	Station Avg.
0	25.69		25.7		
10	25.65		25.7		
20	25.64		25.6		
30	25.64		25.6		
50	25.40		25.4		
75	23.63		23.6		
Avg.	25.3		25.3		
100	22.30		22.3		
150	20.83		20.8		
200	19.73		19.7		
250	19.00		19.0		
300	18.27		18.3		
Avg.	20.0		20.0		
400	16.88		16.9		
500	15.03		15.0		
600	12.44		12.4		
800	7.15		7.1		
1000	4.73		4.7		
Avg.	11.2		11.2		

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 33.--Temperatures (°C), by station, summer season, southern inner shelf

Station 3

Depth (m)	Cruise 3	7	8	Avg.
0	27.72	26.38	28.78	27.6
10	27.93	26.05	28.24	27.4
20				
Avg.	27.8	26.2	28.5	27.5

Station 4

	Cruise 3	7	8	Avg.
0	27.52	27.10	28.92	27.8
10	27.10	26.02	28.18	27.1
20			27.97	28.0
Avg.	27.3	26.6	28.4	27.5

Station 11

Depth (m)	Cruise 3	7	8	Avg.
0	27.47	26.85	28.97	27.8
10			28.40	28.4
20				
Avg.	27.5	26.9	28.7	27.9

Station 12

	Cruise 3	7	8	Avg.
0	27.28	26.66	28.29	27.4
10	27.29	26.32	27.86	27.2
20				
Avg.	27.3	26.5	28.1	27.3

Station 13

Depth (m)	Cruise 3	7	8	Avg.
0	27.18	26.59	28.61	27.5
10	27.14	26.56	28.16	27.3
20				
Avg.	27.2	26.6	28.4	27.4

Station 21

	Cruise 3	7	8	Avg.
0	27.34	27.56	28.33	27.7
10	26.81	27.52	28.33	27.6
20				
Avg.	27.1	27.5	28.3	27.6

Station 22

Depth (m)	Cruise 3	7	8	Avg.
0	28.01	27.38	28.36	27.9
10	27.34	27.30	28.34	27.7
20				
Avg.	27.7	27.3	28.3	27.8

Station

	Cruise	Avg.

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

	Cruise	Avg.

Table 34.--Temperatures (°C), by station, summer season, southern outer shelf

Station 5

Depth (m)	Cruise 3	7	8	Avg.
0	27.94	27.24	29.24	28.1
10	25.60	26.85	28.97	27.1
20	22.20	24.49	28.28	25.0
30	21.02			21.0
50				
75				
Avg.	24.2	26.2	28.8	26.2
100				
150				
200				
Avg.				

Station 10

Depth (m)	Cruise 3	7	8	Avg.
0	27.77	28.30	28.81	28.3
10	27.17	27.82	28.35	27.8
20	22.12	26.87	28.20	25.7
30				
50				
75				
Avg.	25.7	27.7	28.5	27.3
100				
150				
200				
Avg.				

Station 14

Depth (m)	Cruise 3	7	8	Avg.
0	28.45	26.85	29.17	28.2
10	28.28	26.72	28.98	28.0
20	27.24	26.30	28.62	27.4
30	22.86	25.97	28.10	25.6
50	21.51	25.35	26.56	24.5
75				
Avg.	25.7	26.2	28.3	26.7
100				
150				
200				
Avg.				

Station 19

Depth (m)	Cruise 3	7	8	Avg.
0	27.78	27.09	28.52	27.8
10	27.81	27.07	28.39	27.8
20	27.81	26.92	28.35	27.7
30	25.57	26.75	28.17	26.8
50				
75				
Avg.	27.2	27.0	28.4	27.5
100				
150				
200				
Avg.				

Station 20

Depth (m)	Cruise 3	7	8	Avg.
0	27.49	27.01	28.15	27.5
10	27.30	27.01	28.19	27.5
20	27.23	26.74	28.16	27.4
30				
50				
75				
Avg.	27.3	26.9	28.2	27.5
100				
150				
200				
Avg.				

Station

Depth (m)	Cruise			Avg.

Table 35.--Temperatures (°C), by station, summer season, southern offshore

Station 1

Depth (m)	Cruise 3	7	8	Avg.
0	28.80	28.00	28.65	28.5
10	28.67	27.98	28.67	28.4
20	28.51	27.90	28.62	28.3
30	28.12	27.83	28.59	28.2
50	27.23	27.69	28.05	27.7
75	25.88	25.54	26.39	25.9
Avg.	27.9	27.5	28.2	27.8
100	24.57	23.74	24.83	24.4
150	22.09	21.23	22.11	21.8
200	20.05	18.79	20.35	19.7
250	19.11	18.29	19.62	19.0
300	18.37	17.50	18.66	18.2
Avg.	20.8	19.9	21.1	20.6
400	16.65	15.04	16.48	16.1
500		13.02		13.0
600				
300				
1000				
Avg.	16.7	14.0	16.5	15.3

Station 2

Cruise 3	7	8	Avg.
28.91	27.99	29.05	28.7
28.81	28.07	29.05	28.6
28.75	27.52	28.58	28.3
28.50	26.46	27.90	27.6
27.70	24.52	26.81	26.3
26.21	22.38	26.47	25.0
28.1	26.2	28.0	27.4
24.42	20.65	25.73	23.6
20.77	18.41	23.06	20.7
17.98	16.84	19.79	18.2
14.87	14.84	17.88	15.9
	12.69	16.09	14.4
19.5	16.7	20.5	18.9
	7.97	12.88	10.4
		8.88	8.9
	8.0	10.9	9.9

Station 6

Depth (m)	Cruise 3	7	8	Avg.
0	28.70	28.37	29.19	28.8
10	28.69	28.29	29.20	28.7
20	28.68	28.09	28.62	28.5
30	28.52	27.45	27.86	27.9
50	27.97	26.06	26.85	27.0
75	26.93	23.89	25.91	25.6
Avg.	28.2	27.0	27.9	27.7
100	25.70	22.10	25.18	24.3
150	21.48	19.49	23.01	21.3
200	18.85	17.42	18.53	18.3
250	15.96	16.34	14.95	15.7
300	12.86	14.81	12.30	13.3
Avg.	19.0	18.0	18.8	18.6
400				
500				
600				
800				
1000				
Avg.				

Station 7

Cruise 3	7	8	Avg.
28.66	28.08	28.56	28.4
28.66	27.85	28.56	28.4
28.68	27.86	28.46	28.3
28.38	27.81	28.01	28.1
27.57	27.19	27.16	27.3
25.93	25.42	26.20	25.9
28.0	27.4	27.8	27.7
24.38	23.82	25.28	24.5
22.21	21.13	21.60	21.6
19.90	19.39	20.17	19.8
18.72	18.62	19.21	18.9
18.36	17.73	18.12	18.1
20.7	20.1	20.9	20.6
16.85	15.65	15.52	16.0
13.16		13.43	13.3
15.0	15.7	14.5	14.9

Table 35.--Temperatures (°C), by station, summer season, southern offshore--Continued

Station 8

Depth (m)	Cruise 3	7	8	Avg.
0	28.82	27.65	28.36	28.3
10	28.81	27.65	28.40	28.3
20	28.50	27.66	28.34	28.2
30	28.03	27.61	27.76	27.8
50	27.35	27.19	26.91	27.1
75	26.85	25.94	26.58	26.5
Avg.	28.1	27.3	27.7	27.7
100	25.90	24.50	25.77	25.4
150	22.63	21.67	22.95	22.4
200	20.70	20.30	20.12	20.4
250	19.44	19.13	19.26	19.3
300	17.79	18.29	18.30	18.1
Avg.	21.3	20.8	21.3	21.1
400	15.38	16.66	16.14	16.1
500	12.66	12.74	13.13	12.8
600	10.19	9.85		10.0
800				
1000				
Avg.	12.7	13.1	14.6	13.3

Station 9

Cruise 3	7	8	Avg.
29.12	28.40	28.97	28.8
29.04	28.10	28.92	28.7
28.94	27.91	28.80	28.5
28.56	27.89	28.13	28.2
27.91	27.14	27.14	27.4
26.72	25.53	26.40	26.2
28.4	27.5	28.1	28.0
24.87	23.75	25.54	24.7
17.64	21.01	23.13	20.6
	19.40	18.63	19.0
	17.26	14.37	15.8
	13.87	12.08	13.0
21.3	19.1	18.7	19.3

Station 15

Depth (m)	Cruise 3	7	8	Avg.
0	29.37	27.68	28.90	28.7
10	29.07	27.63	28.93	28.5
20	28.85	27.42	28.45	28.2
30	28.51	27.38	27.76	27.9
50	27.72	27.08	26.88	27.2
75	26.76	26.10	26.17	26.3
Avg.	28.4	27.2	27.8	27.8
100	26.01	24.70	25.67	25.5
150	24.26	21.85	23.27	23.1
200	21.52	19.97	19.33	20.3
250	18.25	17.99	16.07	17.4
300	14.70	14.98	13.65	14.4
Avg.	20.9	19.9	19.6	20.1
400	11.02	10.18	10.69	10.6
500		7.29		7.3
600				
800				
1000				
Avg.	11.0	8.7	10.7	9.8

Station 16

Cruise 3	7	8	Avg.
28.88	28.15	28.23	28.4
28.95	28.13	28.23	28.4
28.87	27.95	28.23	28.3
28.45	27.52	28.10	28.0
27.65	26.63	27.63	27.3
26.77	25.37	26.52	26.2
28.3	27.3	27.8	27.8
25.82	24.22	25.27	25.1
23.34	22.22	22.38	22.6
21.27	20.65	19.93	20.6
19.71	19.43	18.97	19.4
18.40	18.41	18.27	18.4
21.7	21.0	21.0	21.2
16.55	16.94	17.64	17.0
14.09	14.25	15.64	14.7
10.77	11.65	12.72	11.7
8.14			8.1
12.4	14.3	15.3	13.8

Table 35.--Temperatures (°C), by station, summer season, southern offshore--Continued

Depth (m)	Station 17 Cruise 3	7	8	Avg.	Station 18 Cruise 3	7	8	Avg.
0	29.04	28.54	28.45	28.7	29.21	28.78	29.02	29.0
10	28.90	27.88	28.37	28.4	29.11	27.94	28.99	28.7
20	28.67	27.95	28.36	28.3	28.91	27.83	28.88	28.5
30	28.39	27.65	28.30	28.1	28.50	27.78	28.82	28.4
50	27.78	27.07	28.06	27.6	27.57	27.33	28.55	27.8
75	26.94	26.66	26.24	26.6	26.25	26.13	27.21	26.5
Avg.	28.3	27.6	28.0	28.0	28.3	27.6	28.6	28.2
100	25.74	25.79	24.65	25.4	24.75	24.42	25.90	25.0
150	22.91	22.64	22.19	22.6	19.67	20.82	21.68	20.7
200	20.78	20.56	20.16	20.5	14.30	17.84	16.13	16.1
250	19.45	19.44	18.89	19.3		15.06	12.10	13.6
300	18.30	18.19	17.91	18.1		12.56	10.53	11.5
Avg.	21.4	21.3	20.8	21.2	19.6	18.1	17.3	18.1
400	16.22	15.27	15.92	15.8			9.07	9.1
500	12.70	13.54	12.94	13.1				
600	9.85	11.69	10.00	10.5				
800								
1000								
Avg.	12.9	13.5	13.0	13.1			9.1	9.1

Depth (m)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 36.--Temperatures (°C), by station, summer season, central inner shelf

Station 23

Depth (m)	Cruise 3	7	8	Avg.
0	28.20	27.71	28.38	28.1
10	27.67	27.59	28.41	27.9
20				
Avg.	27.9	27.7	28.4	28.0

Station 34

Depth (m)	Cruise 3	7	8	Avg.
0	28.22	27.82	28.04	28.0
10	28.16	27.82	28.07	28.0
20				
Avg.	28.2	27.8	28.1	28.0

Station 35

Depth (m)	Cruise 3	7	8	Avg.
0		28.03	28.18	28.1
10	28.70	27.99	28.20	28.3
20				
Avg.	28.7	28.0	28.2	28.2

Station 36

Depth (m)	Cruise 3	7	8	Avg.
0	29.22	27.58	28.06	28.3
10	28.97	27.61	28.08	28.2
20				
Avg.	29.1	27.6	28.1	28.3

Station 44

Depth (m)	Cruise 3	7	8	Avg.
0	28.26	27.69	27.30	27.7
10	28.32	27.21	27.32	27.6
20				
Avg.	28.3	27.5	27.3	27.7

Station 45

Depth (m)	Cruise 3	7	8	Avg.
0	28.15	27.78	26.39	27.5
10	27.85	27.37		27.6
20				
Avg.	28.0	27.6	26.4	27.5

Station 46

Depth (m)	Cruise 3	7	8	Avg.
0	28.19	28.56	26.17	27.6
10				
20				
Avg.	28.2	28.6	26.2	27.6

Station 55

Depth (m)	Cruise 3	7	8	Avg.
0	28.47	27.18	26.25	27.3
10	28.22	27.17	26.22	27.2
20				
Avg.	28.3	27.2	26.2	27.3

Station 56

Depth (m)	Cruise 3	7	8	Avg.
0	28.80	27.98	25.58	27.5
10				
20				
Avg.	28.8	28.0	25.6	27.5

Station

Depth (m)	Cruise			Avg.

Table 37.--Temperatures (°C), by station, summer season, central outer shelf

Station 24

Depth (m)	Cruise 3	7	8	Avg.
0	27.71	27.44	28.32	27.8
10	27.26	27.09	28.30	27.5
20	27.05			27.1
30				
50				
75				
Avg.	27.3	27.3	28.3	27.6
100				
150				
200				
Avg.				

Station 25

Cruise 3	7	8	Avg.
27.99	27.93	28.18	28.0
27.72	27.29	28.14	27.7
26.16	27.20	28.11	27.2
27.3	27.5	28.1	27.6

Station 26

Depth (m)	Cruise 3	7	8	Avg.
0	28.10	28.38	28.31	28.3
10	28.15	27.78	28.43	28.1
20	27.84	27.46	28.30	27.9
30	27.43	26.54	27.90	27.3
50	24.96	24.80	27.25	25.7
75	19.72	22.82	26.69	23.1
Avg.	26.0	26.3	27.8	26.7
100	16.18	17.16	21.08	18.1
150				
200				
Avg.	16.2	17.2	21.1	18.1

Station 31

Cruise 3	7	8	Avg.
28.70	27.94	27.67	28.1
28.62	27.74	27.47	27.9
28.47	27.42	23.50	26.5
27.28	26.50	21.89	25.2
	22.84		22.8
28.3	26.5	25.1	26.6

Station 32

Depth (m)	Cruise 3	7	8	Avg.
0	27.79	27.52	27.50	27.6
10	27.73	26.73	27.54	27.3
20	26.73	25.56	27.54	26.6
30	26.67	25.45	27.52	26.5
50				
75				
Avg.	27.2	26.3	27.5	27.0
100				
150				
200				
Avg.				

Station 33

Cruise 3	7	8	Avg.
27.73	27.61	27.92	27.8
27.63	26.79	27.93	27.5
27.7	27.2	27.9	27.6

Table 37.--Temperatures (°C), by station, summer season, central outer shelf--Continued

Station 37

Depth (m)	Cruise 3	7	8	Avg.
0	28.01	27.41	28.02	27.8
10	27.97	26.68	27.85	27.5
20	26.52	26.47	27.78	26.9
30				
50				
75				
Avg.	27.5	26.9	27.9	27.4
100				
150				
200				
Avg.				

Station 38

Depth (m)	Cruise 3	7	8	Avg.
0	28.66	27.52	27.93	28.0
10	28.58	27.37	27.90	27.9
20	28.43	26.89	27.72	27.7
30	25.05	25.71	27.45	26.1
Avg.	27.7	26.9	27.7	27.4

Station 42

Depth (m)	Cruise 3	7	8	Avg.
0	28.95	27.46		28.2
10	28.38	27.47		27.9
20	24.77	26.43		25.6
30	22.71	23.39		23.1
50	19.22	18.69		19.0
75	16.04	17.20		16.6
Avg.	23.3	23.4		23.4
100	14.00	15.08		14.5
150				
200				
Avg.	14.0	15.1		14.5

Station 43

Depth (m)	Cruise 3	7	8	Avg.
0	28.32	27.51	27.47	27.8
10	27.96	27.50	27.55	27.7
20	26.39	26.98	27.31	26.9
Avg.	27.6	27.3	27.4	27.4

Station 47

Depth (m)	Cruise 3	7	8	Avg.
0	28.11	27.94	26.65	27.6
10	28.03	27.37	26.22	27.2
20	25.54	26.87	26.08	26.2
30				
50				
75				
Avg.	27.2	27.4	26.3	27.0
100				
150				
200				
Avg.				

Station 48

Depth (m)	Cruise 3	7	8	Avg.
0	28.62	27.63	27.65	28.0
10	28.61	27.25	27.56	27.8
20	27.81	26.89	27.44	27.4
30	24.74	25.34	25.20	25.1
50	19.81	22.44	20.97	21.1
75	16.93	18.89	15.76	17.2
Avg.	24.4	24.7	24.1	24.4
100	14.59	16.35	11.82	14.3
150	11.51	14.27	7.76	11.2
200		12.86	7.45	10.2
Avg.	13.1	14.5	9.0	12.1

Table 37.--Temperatures (°C), by station, summer season, central outer shelf--Continued

Depth (m)	Station 53 Cruise 3	7	8	Avg.	Station 54 Cruise 3	7	8	Avg.
0	28.11	27.71	28.02	27.9	28.16	27.53	26.67	27.5
10	28.16	27.27	27.68	27.7	27.91	27.51	26.24	27.2
20	28.52	26.27	27.62	27.5	24.79	27.06	26.18	26.0
30	26.47	24.66	24.82	25.3				
50	22.75	21.90	20.30	21.7				
75	18.77	19.53	17.64	18.6				
Avg.	25.5	24.6	24.3	24.8	27.0	27.4	26.4	26.9
100	16.00	17.65	15.33	16.3				
150		15.40	11.76	13.6				
200								
Avg.	16.0	16.5	13.5	15.2				

Depth (m)	Station Cruise			Avg.	Station Cruise			Avg.
0								
10								
20								
30								
50								
75								
Avg.								
100								
150								
200								
Avg.								

Depth (m)	Station Cruise			Avg.	Station Cruise			Avg.
0								
10								
20								
30								
50								
75								
Avg.								
100								
150								
200								
Avg.								

Table 38.--Temperatures (°C), by station, summer season, central offshore

Station 27

Depth (m)	Cruise 3	7	8	Avg.
0	29.03	28.24	28.78	28.7
10	28.94	28.06	28.78	28.6
20	28.65	27.93	28.69	28.4
30	28.41	27.51	28.42	28.1
50	27.53	26.77	27.64	27.3
75	26.19	25.95	26.53	26.2
Avg.	28.1	27.4	28.1	27.9
100	24.93	25.06	25.51	25.2
150	21.44	23.08	23.70	22.7
200	18.04	20.16	19.08	19.1
250	16.28	17.03	15.19	16.2
300	14.86	14.30	13.06	14.1
Avg.	19.1	19.9	19.3	19.4
400			10.19	10.2
500			8.59	8.6
600				
800				
1000				
Avg.			9.4	9.4

Station 28

Cruise 3	7	8	Avg.
28.88	28.39	28.21	28.5
28.86	28.39	28.21	28.5
28.84	28.19	28.21	28.4
28.32	27.99	27.95	28.1
27.33	27.04	27.38	27.3
26.26	25.59	26.59	26.1
28.1	27.6	27.8	27.8
25.13	24.45	25.59	25.1
22.16	22.04	23.02	22.4
20.05	20.61	20.68	20.4
19.13	19.39	19.77	19.4
18.38	18.21	18.75	18.4
21.0	20.9	21.6	21.2
16.80	16.02	16.36	16.4
15.38	14.06	13.54	14.3
13.92		10.96	12.4
15.4	15.0	13.6	14.6

Station 29

Depth (m)	Cruise 3	7	8	Avg.
0	29.28	27.86	28.30	28.5
10	28.79	27.89	28.39	28.4
20	28.63	27.83	28.37	28.3
30	28.19	27.71	28.35	28.1
50	27.23	27.16	28.33	27.6
75	25.81	25.85	26.56	26.1
Avg.	28.0	27.4	28.1	27.8
100	24.36	23.43	24.95	24.2
150	21.11	20.95	22.22	21.4
200	19.17	19.78	19.86	19.6
250	18.80	18.69	19.21	18.9
300	18.11	17.36	18.63	18.0
Avg.	20.3	20.0	21.0	20.4
400	15.90		17.67	16.8
500	13.00		15.90	14.5
600	9.92		13.31	11.6
800				
1000				
Avg.	12.9		15.6	14.3

Station 30

Cruise 3	7	8	Avg.
29.26	28.65	28.83	28.9
29.36	28.64	28.88	29.0
29.00	28.08	28.90	28.7
28.57	27.35	28.91	28.3
27.42	26.20	28.15	27.3
25.48	24.81	26.70	25.7
28.2	27.3	28.4	28.0
23.67	23.38	25.62	24.2
20.52	20.80	21.41	20.9
18.51	18.31	17.82	18.2
17.09	15.97	15.38	16.1
14.99	13.77	13.29	14.0
19.0	18.4	18.7	18.7
11.78			11.8
11.8			11.8

Table 38.-- Temperatures (°C), by station, summer season, central off-shore--Continued

Station 39

Depth (m)	Cruise 3	7	8	Avg.
0	28.30	28.79	28.66	28.6
10	28.24	28.06	28.48	28.3
20	27.48	27.71	27.98	27.7
30	25.91	27.15	27.23	26.8
50	21.50	25.53	23.91	23.6
75	16.59	23.00	20.26	19.9
Avg.	24.7	26.7	26.1	25.8
100	14.53	20.37	17.93	17.6
150	11.57	16.83	16.58	15.0
200	9.58	14.46	15.36	13.1
250	8.37	12.42	11.72	10.8
300	7.95	10.78		9.4
Avg.	10.4	15.0	15.4	13.5
400				
500				
600				
800				
1000				
Avg.				

Station 40

Depth (m)	Cruise 3	7	8	Avg.
0	29.28	29.64		29.5
10	29.11	28.28		28.7
20	29.08	28.16		28.6
30	28.59	27.91		28.3
50	27.63	27.10		27.4
75	26.66	25.71		26.2
Avg.	28.4	27.8		28.1
100	25.27	23.75		24.5
150	21.27	21.83		21.5
200	19.93	19.77		19.9
250	18.99	17.91		18.5
300	18.05	16.95		17.5
Avg.	20.7	20.0		20.4
400	16.19	14.81		15.5
500	14.52			14.5
600				
800				
1000				
Avg.	15.4	14.8		15.2

Station 41

Depth (m)	Cruise 3	7	8	Avg.
0	29.65	28.94		29.3
10	29.31	28.50		28.9
20	28.90	28.15		28.5
30	28.34	27.22		27.8
50	27.70	25.47		26.6
75	25.56	23.52		24.5
Avg.	28.2	27.0		27.6
100	23.57	20.56		22.1
150	18.41	15.45		16.9
200	15.39	12.84		14.1
250	12.77	11.40		12.1
300		10.30		10.3
Avg.	17.5	14.1		15.6
400				
500				
600				
800				
1000				
Avg.				

Station 49

Depth (m)	Cruise 3	7	8	Avg.
0	28.69	27.77	28.33	28.3
10	28.70	27.65	28.32	28.2
20	28.64	27.27	28.32	28.1
30	28.59	25.71	28.31	27.5
50	27.38	22.90	28.22	26.2
75	24.82	19.84	26.08	23.6
Avg.	27.8	25.2	27.9	27.0
100	21.71	17.59	23.05	20.8
150	14.21	15.56	16.12	15.3
200		13.58		13.6
250		11.84		11.8
300		10.34		10.3
Avg.	18.0	13.8	19.6	16.0
400				
500				
600				
800				
1000				
Avg.				

Table 38.--Temperatures (°C), by station, summer season, central offshore--Continued

Station 50

Depth (m)	Cruise 3	7	8	Avg.
0	29.30	28.63	28.26	28.7
10	29.32	28.58	28.29	28.7
20	29.33	27.62	28.25	28.4
30	29.01	26.95	28.24	28.1
50	28.23	26.04	28.09	27.5
75	26.99	25.31	27.07	26.5
Avg.	28.7	27.2	28.0	28.0
100	25.00	21.21	24.98	23.7
150	21.65	16.38	21.19	19.7
200	20.59	14.40	19.60	18.2
250	18.52	12.62	18.70	16.6
300	17.26	10.93	17.86	15.3
Avg.	20.6	15.1	20.5	18.7
400	15.75		15.73	15.7
500	12.78		13.55	13.2
600				
800				
1000				
Avg.	14.3		14.6	14.5

Station 51

Depth (m)	Cruise 3	7	8	Avg.
0	29.14	27.42	28.29	28.3
10	29.19	27.45	28.28	28.3
20	29.06	26.40	28.27	27.9
30	28.70	24.50	28.28	27.2
50	27.75	21.40	28.28	25.8
75	26.60	18.31	28.27	24.4
Avg.	28.4	24.2	28.3	27.0
100	25.69	15.79	27.98	23.2
150	23.75	13.09	26.63	21.2
200	22.24	11.38	20.90	18.2
250	20.81	10.15	16.02	15.7
300	19.42	9.39	12.59	13.8
Avg.	22.4	12.0	20.8	18.4
400		7.68	9.18	8.4
500				
600				
800				
1000				
Avg.		7.7	9.2	8.4

Station 52

Depth (m)	Cruise 3	7	8	Avg.
0	29.19	27.54	27.22	28.0
10	29.25	27.51	27.14	28.0
20	29.23	26.30	27.10	27.5
30	29.08	23.54	24.93	25.9
50	27.65	19.32	21.06	22.7
75		17.68	16.87	17.3
Avg.	28.9	23.7	24.1	25.3
100		16.30	14.04	15.2
150		14.36	12.45	13.4
200		12.19	11.63	11.9
250		10.34	10.36	10.3
300		8.81	8.64	8.7
Avg.		12.4	11.4	11.9
400				
500				
600				
800				
1000				
Avg.				

Station

Depth (m)	Cruise			Avg.

Table 39.--Temperatures (°C), by station, summer season, northern inner shelf

Station 57

Depth (m)	Cruise 3	7	8	Avg.
0	28.23	27.66	25.88	27.3
10	28.57	27.68	25.91	27.4
20				
Avg.	28.4	27.7	25.9	27.3

Station 58

Depth (m)	Cruise 3	7	8	Avg.
0	28.31	27.29	25.67	27.1
10	28.28	27.19	25.71	27.1
20				
Avg.	28.3	27.2	25.7	27.1

Station 67

Depth (m)	Cruise 3	7	8	Avg.
0	27.79	27.23	25.85	27.0
10	27.73	27.23	25.73	26.9
20				
Avg.	27.8	27.2	25.8	26.9

Station 68

Depth (m)	Cruise 3	7	8	Avg.
0	27.45	27.25	25.96	26.9
10	27.48	27.93	25.65	27.0
20				
Avg.	27.5	27.6	25.8	27.0

Station 69

Depth (m)	Cruise 3	7	8	Avg.
0	27.53	27.06	26.32	27.0
10	27.57	27.14	25.54	26.7
20				
Avg.	27.5	27.1	25.9	26.9

Station 76

Depth (m)	Cruise 3	7	8	Avg.
0	27.34	25.14		26.2
10	27.25	25.08		26.2
20				
Avg.	27.3	25.1		26.2

Station 77

Depth (m)	Cruise 3	7	8	Avg.
0	27.15	25.02	25.79	26.0
10	27.23	24.96	25.84	26.0
20	26.94	24.59	25.43	25.7
Avg.	27.1	24.9	25.7	25.9

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 40.--Temperatures (°C), by station, summer season, northern outer shelf

Station 59

Depth (m)	Cruise 3	7	8	Avg.
0	27.56	26.80	25.39	26.6
10	27.53	26.80	25.50	26.6
20		24.37		24.4
30				
50				
75				
Avg.	27.5	26.0	25.4	26.3
100				
150				
200				
Avg.				

Station 60

Depth (m)	Cruise 3	7	8	Avg.
0	27.91	27.51	27.84	27.8
10	27.85	27.40	27.90	27.7
20	27.79	27.29	27.77	27.6
30	24.72	25.44	24.79	25.0
50	20.11	22.48	19.94	20.8
75	18.07	20.84	16.75	18.6
Avg.	24.4	25.2	24.2	24.6
100	16.38	19.44	14.32	16.7
150	13.67	17.35	11.74	14.3
200		14.97	9.45	12.2
Avg.	15.0	17.3	11.8	14.7

Station 65

Depth (m)	Cruise 3	7	8	Avg.
0	27.71	27.36	26.59	27.2
10	27.56	27.31	26.61	27.2
20	27.55	26.92	26.57	27.0
30	25.76	25.40	26.59	25.9
50				
75				
Avg.	27.1	26.7	26.6	26.8
100				
150				
200				
Avg.				

Station 66

Depth (m)	Cruise 3	7	8	Avg.
0	27.07	27.16	25.85	26.7
10	27.18	27.15	25.85	26.7
20	23.99	25.90		24.9
30				
50				
75				
Avg.	26.1	26.7	25.9	26.3
100				
150				
200				
Avg.				

Station 70

Depth (m)	Cruise 3	7	8	Avg.
0	27.47	26.88	26.49	26.9
10	27.48	26.64	25.92	26.7
20	27.34	24.82	25.89	26.0
30				
50				
75				
Avg.	27.4	26.1	26.1	26.5
100				
150				
200				
Avg.				

Station 71

Depth (m)	Cruise 3	7	8	Avg.
0	28.15	27.88	26.77	27.6
10	28.19	28.01	26.72	27.6
20	28.15	27.77	26.71	27.5
30	25.96	27.12	26.54	26.5
50	22.39	25.73	25.62	24.6
75	19.42	23.83	21.73	21.7
Avg.	25.4	26.7	25.7	25.9
100		21.76	15.13	18.4
150				
200				
Avg.		21.8	15.1	18.4

Table 40.--Temperatures (°C), by station, summer season, northern outer shelf--Continued

Depth (m)	Station 75 Cruise 3	7	8	Avg.	Station 78 Cruise 3	7	8	Avg.
0	28.31		26.67	27.5		26.42	25.98	26.2
10	28.31		26.72	27.5		26.58	25.68	26.1
20	28.43		26.51	27.5		26.29	24.80	25.5
30	25.12		23.50	24.3				
50								
75								
Avg.	27.5		25.9	26.7		26.4	25.5	26.0
100								
150								
200								
Avg.								

Depth (m)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 41.--Temperatures (°C), by station, summer season, northern offshore

Station 61

Depth (m)	Cruise 3	7	8	Avg.
0	27.91	28.19	28.16	28.1
10	27.93	28.19	28.06	28.1
20	27.92	27.37	27.92	27.7
30	27.91	26.12	27.70	27.2
50	24.43	23.80	25.99	24.7
75	19.13	21.24	22.68	21.0
Avg.	25.9	25.8	26.8	26.1
100	16.37	18.99	19.04	18.1
150	13.09	15.39	14.38	14.3
200	11.79	13.66	11.55	12.3
250	10.48	12.05	9.86	10.8
300		10.72		10.7
Avg.	12.9	14.2	13.7	13.6
400		8.89		8.9
500				
600				
800				
1000				
Avg.		8.9		8.9

Station 62

Depth (m)	Cruise 3	7	8	Avg.
0	28.81	27.88	28.23	28.3
10	28.81	27.90	28.26	28.3
20	28.66	27.49	28.25	28.1
30	28.34	26.75	28.24	27.8
50	27.95	24.14	28.13	26.7
75	27.25	21.36	27.55	25.4
Avg.	28.3	25.9	28.1	27.4
100	26.11	19.41	26.18	23.9
150	22.52	16.60	23.38	20.8
200	19.55	15.24	20.96	18.6
250	17.11	13.59	18.50	16.4
300	13.68	12.34	17.30	14.4
Avg.	19.8	15.4	21.3	18.8
400		10.23	14.39	12.3
500			10.37	10.4
600			7.38	7.4
800				
1000				
Avg.		10.2	10.7	10.6

Station 63

Depth (m)	Cruise 3	7	8	Avg.
0	28.42	27.94	27.94	28.1
10	28.44	27.97	28.13	28.2
20	28.08	27.71	28.12	28.0
30	27.52	27.23	28.08	27.6
50	26.69	25.86	27.75	26.8
75	25.25	24.52	26.77	25.5
Avg.	27.4	26.9	27.8	27.4
100	23.09	23.42	24.68	23.7
150	19.29	20.64	21.29	20.4
200	16.34	18.95	19.51	18.3
250	14.34	18.07	18.22	16.9
300	12.67	17.27	16.98	15.6
Avg.	17.1	19.7	20.1	19.0
400		14.69	12.95	13.8
500				
600				
800				
1000				
Avg.		14.7	12.9	13.8

Station 64

Depth (m)	Cruise 3	7	8	Avg.
0	27.62	28.28	28.31	28.1
10	27.95	28.30	28.29	28.2
20	27.91	27.88	28.26	28.0
30	26.36	27.09	28.27	27.2
50	23.58	25.50	28.00	25.7
75	20.73	23.67	26.71	23.7
Avg.	25.7	26.8	28.0	26.8
100	18.41	22.21	24.55	21.7
150	15.21	18.90	17.60	17.2
200	13.21	16.30	13.33	14.3
250	11.90			11.9
300				
Avg.	14.7	19.1	18.5	17.2

Table 41 -- Temperatures (°C), by station, summer season, northern offshore--Continued

Station 72

Depth (m)	Cruise 3	7	8	Avg.
0	28.70	28.18	28.27	28.4
10	28.69	28.20	28.26	28.4
20	28.69	28.22	28.22	28.4
30	28.44	27.27	28.23	28.0
50	26.62	25.59	28.23	26.8
75	24.22	23.99	27.68	25.3
Avg.	27.6	26.9	28.1	27.5
100	22.14	22.32	26.27	23.6
150	19.48	19.22	21.82	20.2
200	17.49	17.80	17.54	17.6
250		16.69	13.19	14.9
300		15.18		15.2
Avg.	19.7	18.2	19.7	19.1
400		11.55		11.5
500		9.09		9.1
600				
800				
1000				
Avg.		10.3		10.3

Station 73

Cruise 3	7	8	Avg.
	27.12	28.09	27.6
	27.16	28.17	27.7
	27.17	28.15	27.7
	27.18	28.15	27.7
	24.84	28.09	26.5
	22.08	27.98	25.0
	25.9	28.1	27.0
	20.54	27.00	23.8
	19.16	25.33	22.2
	18.45	20.48	19.5
	18.24	15.30	16.8
	17.81	12.90	15.4
	18.8	20.2	19.5
	17.03	10.19	13.6
	15.31	8.89	12.1
	13.28	7.83	10.6
	8.98		9.0
	13.7	9.0	11.6

Station 74

Depth (m)	Cruise 3	7	8	Avg.
0		27.70	26.81	27.3
10		27.72	26.81	27.3
20		27.75	26.72	27.2
30		26.99	26.61	26.8
50		25.59	25.65	25.6
75		24.06	21.78	22.9
Avg.		26.6	25.7	26.2
100		22.67	17.90	20.3
150		20.32	14.36	17.3
200		18.67	12.31	15.5
250		18.13	11.13	14.6
300		16.64	10.05	13.3
Avg.		19.3	13.1	16.2
400		13.59	8.21	10.9
500		10.30	6.21	8.3
600		6.44		6.4
800				
1000				
Avg.		10.1	7.2	8.9

Station 79

Cruise 3	7	8	Avg.
	27.31	28.27	27.8
	27.46	28.15	27.8
	27.43	28.10	27.8
	27.46	27.88	27.7
	26.92	26.67	26.8
	24.47	25.81	25.1
	26.8	27.5	27.2
	22.85	20.64	21.7
	21.03	15.46	18.2
	19.70	13.64	16.7
	18.66	12.36	15.5
	17.98	10.10	14.0
	20.0	14.4	17.2
	14.48		14.5
	10.38		10.4
	7.21		7.2
	10.7		10.7

Table 41.--Temperatures (°C), by station, summer season, northern offshore--Continued

Depth (m)	Station 80 Cruise 3	Cruise 7	Cruise 8	Avg.	Station Cruise	Avg.
0		27.57	28.16	27.9		
10		27.59	28.16	27.9		
20		27.55	28.10	27.8		
30		27.03	28.07	27.5		
50		25.84	27.82	26.8		
75		23.95	26.73	25.3		
Avg.		26.6	27.8	27.2		
100		22.56	25.27	23.9		
150		20.77	21.85	21.3		
200		19.10	20.08	19.6		
250		18.48	19.09	18.8		
300		18.07	16.61	17.3		
Avg.		19.8	20.6	20.2		
400		17.51	13.86	15.7		
500		15.78		15.8		
600		12.62		12.6		
800		8.78		8.8		
1000		5.67		5.7		
Avg.		12.1	13.9	12.4		

Depth (m)	Station Cruise	Avg.	Station Cruise	Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 42.--Temperatures (°C), by station, fall season, southern inner shelf

Station 3

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.92	25.70	25.8
10	26.23	25.70	26.0
20			
Avg.	26.1	25.7	25.9

Station 4

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.44	25.33	25.9
10	26.20	24.79	25.5
20	26.19	24.29	25.2
Avg.	26.3	24.8	25.5

Station 11

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.09	22.64	23.9
10		22.47	22.5
20			
Avg.	25.1	22.6	23.4

Station 12

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.64	22.85	23.7
10	24.75	22.52	23.6
20			
Avg.	24.7	22.7	23.7

Station 13

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.11	21.39	22.7
10	24.18	20.92	22.5
20			
Avg.	24.1	21.1	22.7

Station 21

Depth (m)	Cruise 4	Cruise 9	Avg.
0	23.64	19.63	21.6
10	24.44	18.00	21.2
20			
Avg.	24.0	18.8	21.4

Station 22

Depth (m)	Cruise 4	Cruise 9	Avg.
0	23.39	19.26	21.3
10		18.35	18.3
20			
Avg.	23.4	18.8	20.3

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
Avg.		

Table 43.--Temperatures (°C), by station, fall season, southern outer shelf

Station 5

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.42	25.58	26.0
10	26.59	25.46	26.0
20	26.88	24.90	25.9
30	26.99	24.54	25.8
50			
75			
Avg.	26.7	25.1	25.9
100			
150			
200			
Avg.			

Station 10

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.61	25.27	25.4
10	25.58	25.29	25.4
20	25.81	25.31	25.6
Avg.	25.7	25.3	25.5

Station 14

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.20	25.31	25.3
10	25.24	25.32	25.3
20	25.56	25.33	25.4
30	25.66	25.06	25.4
50	25.79	24.49	25.1
75			
Avg.	25.5	25.1	25.3
100			
150			
200			
Avg.			

Station 19

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.25	24.74	25.5
10	26.28	24.52	25.4
20	26.22	23.88	25.1
30	26.16	23.01	24.6
Avg.	26.2	24.0	25.1

Station 20

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.91	22.22	23.6
10	24.94	22.15	23.5
20	24.93	21.99	23.5
30			
50			
75			
Avg.	24.9	22.1	23.5
100			
150			
200			
Avg.			

Station

Depth (m)	Cruise	Avg.

Table 44.--Temperatures (°C), by station, fall season, southern offshore

Station 1

Depth (m)	Cruise 4	Cruise 9	Avg.
0	28.02	26.48	27.3
10	28.01	26.56	27.3
20	28.00	26.62	27.3
30	27.99	26.62	27.3
50	27.97	26.63	27.3
75	26.05	26.22	26.1
Avg.	27.7	26.5	27.1
100	23.90	25.85	24.9
150	21.91	23.04	22.5
200	20.13	19.87	20.0
250	18.34	17.92	18.1
300	17.33	17.24	17.3
Avg.	20.3	20.8	20.6
400	14.75	15.16	15.0
500		13.05	13.1
600			
800			
1000			
Avg.	14.7	14.1	14.3

Station 2

Depth (m)	Cruise 4	Cruise 9	Avg.
0	27.54	26.67	27.1
10	27.54	26.72	27.1
20	27.56	26.72	27.1
30	27.54	26.67	27.1
50	27.43	26.56	27.0
75	24.04	26.40	25.2
Avg.	26.9	26.6	26.8
100	21.49	25.82	23.7
150	18.95	21.61	20.3
200	17.06	18.23	17.6
250	15.61	16.06	15.8
300	13.88	14.25	14.1
Avg.	17.4	19.2	18.3
400	10.67	11.00	10.8
500			
600			
800			
1000			
Avg.	10.7	11.0	10.8

Station 6

Depth (m)	Cruise 4	Cruise 9	Avg.
0	28.07	26.51	27.3
10	28.08	26.54	27.3
20	28.09	26.56	27.3
30	28.08	26.55	27.3
50	27.53	26.54	27.0
75	26.49	26.39	26.4
Avg.	27.7	26.5	27.1
100	24.96	26.24	25.6
150	21.22	22.08	21.7
200	18.81	18.69	18.7
250	17.51	16.74	17.1
300	16.20	15.00	15.6
Avg.	19.7	19.7	19.7
400	12.46	12.41	12.4
500			
600			
800			
1000			
Avg.	12.5	12.4	12.4

Station 7

Depth (m)	Cruise 4	Cruise 9	Avg.
0	27.83	26.66	27.2
10	27.87	26.68	27.3
20	27.86	26.69	27.3
30	27.86	26.69	27.3
50	27.60	26.69	27.1
75	26.67	26.30	26.5
Avg.	27.6	26.6	27.1
100	25.45	25.75	25.6
150	22.14	22.33	22.2
200	19.97	19.43	19.7
250	18.68	18.00	18.3
300	18.07	16.60	17.3
Avg.	20.9	20.4	20.6
400	15.68	15.05	15.4
500	13.62		13.6
600			
800			
1000			
Avg.	14.7	15.1	14.8

Table 44.--Temperatures (°C), by station, fall season, southern offshore--Continued

Station 8

Depth (m)	Cruise 4	Cruise 9	Avg.
0	27.98	26.54	27.3
10	27.98	26.55	27.3
20	27.99	26.57	27.3
30	27.99	26.59	27.3
50	27.92	26.58	27.3
75	27.27	26.15	26.7
Avg.	27.9	26.5	27.2
100	26.03	25.40	25.7
150	23.34	21.93	22.6
200	21.16	19.56	20.4
250	19.08	18.30	18.7
300	17.83	17.59	17.7
Avg.	21.5	20.6	21.0
400	15.51	15.97	15.7
500	11.66	14.27	13.0
600	8.49	11.68	10.1
800			
1000			
Avg.	11.9	14.0	12.9

Station 9

Cruise 4	Cruise 9	Avg.
28.15	26.51	27.3
28.13	26.53	27.3
28.12	26.56	27.3
28.12	26.59	27.4
28.10	26.59	27.3
27.53	26.46	27.0
28.0	26.5	27.3
26.13	25.43	25.8
22.46	21.78	22.1
18.27	18.59	18.4
13.51	16.62	15.1
	14.47	14.5
20.1	19.4	19.7

Station 15

Depth (m)	Cruise 4	Cruise 9	Avg.
0	27.80	26.67	27.2
10	27.77	26.67	27.2
20	27.80	26.68	27.2
30	27.82	26.70	27.3
50	27.83	26.72	27.3
75	27.16	26.36	26.8
Avg.	27.7	26.6	27.2
100	26.06	25.87	26.0
150	22.60	21.94	22.3
200	19.85	18.92	19.4
250	17.89	17.21	17.5
300	16.23	15.39	15.8
Avg.	20.5	19.9	20.2
400	13.46	11.42	12.4
500	11.19	8.05	9.6
600	9.02		9.0
800			
1000			
Avg.	11.2	9.7	10.6

Station 16

Cruise 4	Cruise 9	Avg.
27.94	26.42	27.2
27.90	26.44	27.2
27.95	26.46	27.2
28.00	26.21	27.1
28.05	25.84	26.9
28.00	25.73	26.9
28.0	26.2	27.1
27.61	25.63	26.6
23.83	20.27	22.1
21.18	18.99	20.1
19.07	18.57	18.8
17.81	18.08	17.9
21.9	20.3	21.1
15.95	16.87	16.4
14.04	14.13	14.1
11.67	13.37	12.5
13.9	14.8	14.3

Table 44.--Temperatures (°C), by station, fall season, southern offshore--Continued

Depth (m)	Station 17 Cruise 4	Station 17 Cruise 9	Station 17 Avg.	Station 18 Cruise 4	Station 18 Cruise 9	Station 18 Avg.
0		26.56	26.6	28.08	26.36	27.2
10		26.57	26.6	28.08	26.53	27.3
20		26.58	26.6	28.16	26.64	27.4
30		26.59	26.6	28.17	26.64	27.4
50		26.59	26.6	27.69	26.41	27.1
75		26.51	26.5	25.29	26.00	25.6
Avg.		26.6	26.6	27.6	26.4	27.0
100		25.64	25.6	22.91	25.77	24.3
150		21.95	21.9	19.07	22.69	20.9
200		19.56	19.6	16.78	15.62	16.2
250		18.55	18.5	15.17	11.24	13.2
300		17.39	17.4	13.80	8.51	11.2
Avg.		20.6	20.6	17.5	16.8	17.2
400		14.70	14.7	11.37		11.4
500		11.91	11.9			
600		8.99	9.0			
800						
1000						
Avg.		11.9	11.9	11.4		11.4

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
250				
300				
Avg.				
400				
500				
600				
800				
1000				
Avg.				

Table 45.--Temperatures (°C), by station, fall season, central inner shelf

Station 23

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.14	18.08	21.1
10		17.88	17.9
20			
Avg.	24.1	18.0	20.0

Station 34

	Cruise 4	Cruise 9	Avg.
	23.18		23.2
	23.36		23.4
	23.3		23.3

Station 35

Depth (m)	Cruise 4	Cruise 9	Avg.
0	23.66	16.98	20.3
10	23.67	16.86	20.3
20			
Avg.	23.7	16.9	20.3

Station 36

	Cruise 4	Cruise 9	Avg.
	23.66	16.83	20.2
	23.64	16.85	20.2
	23.7	16.8	20.2

Station 44

Depth (m)	Cruise 4	Cruise 9	Avg.
0	22.20	16.53	19.4
10	22.23	16.56	19.4
20			
Avg.	22.2	16.5	19.4

Station 45

	Cruise 4	Cruise 9	Avg.
	22.08	15.34	18.7
	22.14	15.35	18.7
	22.1	15.3	18.7

Station 46

Depth (m)	Cruise 4	Cruise 9	Avg.
0	21.74	15.85	18.8
10	21.80	15.95	18.9
20			
Avg.	21.8	15.9	18.8

Station 55

	Cruise 4	Cruise 9	Avg.
	21.96	16.68	19.3
	21.90	16.68	19.3
	21.9	16.7	19.3

Station 56

Depth (m)	Cruise 4	Cruise 9	Avg.
0	21.04	13.61	17.3
10			
20			
Avg.	21.0	13.6	17.3

Station

	Cruise		Avg.

Table 46.--Temperatures (°C), by station, fall season, central outer shelf

Station 24

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.56	21.21	22.9
10	24.59	21.22	22.9
20	24.50		24.5
30			
50			
75			
Avg.	24.5	21.2	23.2
100			
150			
200			
Avg.			

Station 25

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.96	23.65	24.8
10	25.99	23.66	24.8
20	25.99	23.53	24.8
30			
50			
75			
Avg.	26.0	23.6	24.8
100			
150			
200			
Avg.			

Station 26

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.98	26.17	26.6
10	27.02	26.17	26.6
20	27.05	26.20	26.6
30	27.04	26.18	26.6
50	26.77	26.13	26.5
75	26.04	26.05	26.0
Avg.	26.8	26.1	26.5
100	24.98	25.95	25.5
150	16.40		16.4
200			
Avg.	20.7	25.9	22.4

Station 31

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.37		26.4
10	26.18		26.2
20			
30			
50			
75			
Avg.	26.3		26.3
100			
150			
200			
Avg.			

Station 32

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.91		24.9
10	24.69		24.7
20	24.79		24.8
30	24.81		24.8
50			
75			
Avg.	24.8		24.8
100			
150			
200			
Avg.			

Station 33

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.25		24.3
10	24.10		24.1
20			
30			
50			
75			
Avg.	24.2		24.2
100			
150			
200			
Avg.			

Table 46.--Temperatures (°C), by station, fall season, central outer shelf--Continued

Station 37

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.14	19.34	21.7
10	24.11	19.35	21.7
20	24.20	19.38	21.8
30			
50			
75			
Avg.	24.1	19.4	21.8
100			
150			
200			
Avg.			

Station 38

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.13	23.68	24.4
10	25.11	23.72	24.4
20	25.04	23.74	24.4
30	25.02	23.70	24.4
50			
75			
Avg.	25.1	23.7	24.4
100			
150			
200			
Avg.			

Station 42

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.10	24.02	25.1
10	26.15	24.04	25.1
20	26.09	24.02	25.1
30	25.89	23.30	24.6
50	25.45	21.95	23.7
75	24.85	20.46	22.7
Avg.	25.8	23.0	24.4
100	24.47	19.18	21.8
150			
200			
Avg.	24.5	19.2	21.8

Station 43

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.34	19.84	22.1
10	24.38	19.87	22.1
20	24.31	19.88	22.1
30	24.36		24.4
50			
75			
Avg.	24.3	19.9	22.4

Station 47

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.31	20.76	22.5
10	24.37	20.79	22.6
20	24.30	19.67	22.0
30			
50			
75			
Avg.	24.3	20.4	22.4
100			
150			
200			
Avg.			

Station 48

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.47	22.46	24.0
10	25.52	22.50	24.0
20	25.49	22.26	23.9
30	25.48	22.24	23.9
50	25.45	22.08	23.8
75	25.14	21.83	23.5
Avg.	25.4	22.2	23.8
100	24.70	20.96	22.8
150	16.73	17.36	17.0
200			
Avg.	20.7	19.2	19.9

Table 46.--Temperatures (°C), by station, fall season, central outer shelf--Continued

Station 53

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.67	22.79	24.2
10	25.71	22.81	24.3
20	25.71	22.80	24.3
30	25.70	22.79	24.2
50	25.69	22.78	24.2
75	25.00	19.54	22.3
Avg.	25.6	22.3	23.9
100	22.99	17.28	20.1
150	18.80	15.72	17.3
200			
Avg.	20.9	16.5	18.7

Station 54

Cruise 4	Cruise 9	Avg.
24.39	21.34	22.9
24.35	21.38	22.9
23.75	21.26	22.5
24.2	21.3	22.7

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
30		
50		
75		
Avg.		
100		
150		
200		
Avg.		

Station

Cruise	Avg.

Station

Depth (m)	Cruise	Avg.
0		
10		
20		
30		
50		
75		
Avg.		
100		
150		
200		
Avg.		

Station

Cruise	Avg.

Table 47.--Temperatures (°C), by station, fall season, central offshore

Station 27

Depth (m)	Cruise 4	Cruise 9	Avg.
0	27.80	26.51	27.2
10	27.86	26.51	27.2
20	27.85	26.51	27.2
30	27.85	26.53	27.2
50	27.39	26.55	27.0
75	25.21	26.55	25.9
Avg.	27.3	26.5	26.9
100	23.00	26.35	24.7
150	19.79	23.70	21.7
200	18.44	21.00	19.7
250	17.54	19.02	18.3
300	16.54	16.46	16.5
Avg.	19.1	21.3	20.2
400	14.14	10.05	12.1
500	11.25	7.44	9.3
600			
800			
1000			
Avg.	12.7	8.7	10.7

Station 28

Depth (m)	Cruise 4	Cruise 9	Avg.
0	27.69	25.94	26.8
10	27.77	25.93	26.9
20	27.75	25.93	26.8
30	27.62	25.91	26.8
50	27.06	25.77	26.4
75	25.32	25.40	25.4
Avg.	27.2	25.8	26.5
100	23.83	24.67	24.3
150	21.64	22.23	21.9
200	19.94	19.77	19.9
250	19.10	18.79	18.9
300	18.42	18.15	18.3
Avg.	20.6	20.7	20.7
400	17.57	16.69	17.1
500	16.11	14.20	15.2
600	13.54	11.93	12.7
800			
1000			
Avg.	15.7	14.3	15.0

Station 29

Depth (m)	Cruise 4	Cruise 9	Avg.
0	27.44	26.57	27.0
10	27.48	26.59	27.0
20	27.21	26.61	26.9
30	26.68	26.62	26.7
50	25.48	26.63	26.1
75	24.11	25.85	25.0
Avg.	26.4	26.5	26.4
100	22.60	25.09	23.8
150	20.31	22.08	21.2
200	19.41	20.03	19.7
250	18.84	19.05	18.9
300	18.32	17.95	18.1
Avg.	19.9	20.8	20.4
400	17.17	15.46	16.3
500	15.24	13.06	14.1
600	12.89	10.42	11.7
800			
1000			
Avg.	15.1	13.0	14.0

Station 30

Depth (m)	Cruise 4	Cruise 9	Avg.
0		26.50	26.5
10	27.85	26.52	27.2
20	27.81	26.54	27.2
30	27.80	26.56	27.2
50	27.79	26.56	27.2
75	24.55	26.53	25.5
Avg.	27.2	26.5	26.8
100	21.36	26.40	23.9
150	19.29	22.75	21.0
200	18.13	20.24	19.2
250	17.34	18.54	17.9
300	16.27	16.93	16.6
Avg.	18.5	21.0	19.7
400	13.26	10.05	11.7
500	9.13		9.1
600			
800			
1000			
Avg.	11.2	10.1	10.8

Table 47.-- Temperatures (°C), by station, fall season, central offshore-- Continued

Station 39

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.43	24.30	25.4
10	26.43	24.39	25.4
20	26.42	24.40	25.4
30	26.42	24.39	25.4
50	26.40	24.18	25.3
75	25.54	23.52	24.5
Avg.	26.3	24.2	25.2
100	21.85	22.52	22.2
150	17.99	18.54	18.3
200	16.25	14.30	15.3
250	14.72	11.29	13.0
300	13.24	9.39	11.3
Avg.	16.8	15.2	16.0
400	10.48		10.5
500			
600			
800			
1000			
Avg.	10.5		10.5

Station 40

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.40	25.32	25.9
10	26.42	25.34	25.9
20	26.44	25.37	25.9
30	26.44	25.38	25.9
50	26.38	25.36	25.9
75	26.22	25.15	25.7
Avg.	26.4	25.3	25.9
100	25.20	24.53	24.9
150	22.65	21.42	22.0
200	21.91	18.90	20.4
250	21.12	17.04	19.1
300	19.77	15.62	17.7
Avg.	22.1	19.5	20.8

Station 41

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.29	25.36	25.8
10	26.31	25.38	25.8
20	26.26	25.40	25.8
30	26.27	25.42	25.8
50	26.33	25.20	25.8
75	26.29	24.34	25.3
Avg.	26.3	25.2	25.7
100	25.27	22.54	23.9
150	21.73	20.30	21.0
200	18.97	16.70	17.8
250	15.85	12.74	14.3
300	13.61	10.84	12.2
Avg.	19.1	16.6	17.9
400			
500			
600			
800			
1000			
Avg.			

Station 49

Depth (m)	Cruise 4	Cruise 9	Avg.
0	26.23	23.82	25.0
10	26.31	23.39	24.9
20	26.25	23.09	24.7
30	26.24	22.97	24.6
50	26.20	22.73	24.5
75	23.89	22.43	23.2
Avg.	25.9	23.1	24.5
100	21.32	20.76	21.0
150	17.89	15.76	16.8
200	15.82	12.81	14.3
250	14.48	11.17	12.8
300	13.37		13.4
Avg.	16.6	15.1	15.9

Table 47.--Temperatures (°C), by station, fall season, central offshore--Continued

Depth (m)	Station 50 Cruise 4	Station 50 Cruise 9	Station 50 Avg.	Station 51 Cruise 4	Station 51 Cruise 9	Station 51 Avg.
0	26.24	25.49	25.9	26.44	24.23	25.3
10	26.25	25.51	25.9	26.50	24.24	25.4
20	26.21	25.54	25.9	26.22	24.25	25.2
30	26.20	25.56	25.9	26.19	24.27	25.2
50	26.20	25.57	25.9	26.09	23.85	25.0
75	25.50	25.57	25.5	25.49	23.23	24.4
Avg.	26.1	25.5	25.8	26.2	24.0	25.1
100	24.93	25.37	25.1	24.32	21.63	23.0
150	22.70	22.99	22.8	20.86	16.81	18.8
200	21.37	19.78	20.6	18.23	13.26	15.7
250	18.99	15.65	17.3	16.57	10.77	13.7
300	16.88	12.25	14.6	15.13	9.52	12.3
Avg.	21.0	19.2	20.1	19.0	14.4	16.7
400	15.22	8.49	11.9	12.45		12.5
500	13.99		14.0	9.11		9.1
600	11.24		11.2			
800						
1000						
Avg.	13.5	8.5	12.2	10.8		10.8

Depth (m)	Station 52 Cruise 4	Station 52 Cruise 9	Station 52 Avg.	Station Cruise	Station Avg.
0	25.52	22.55	24.0		
10	25.62	22.57	24.1		
20	25.60	22.58	24.1		
30	25.58	22.58	24.1		
50	25.47	22.57	24.0		
75	22.48	19.79	21.1		
Avg.	25.0	22.1	23.6		
100	20.05	17.25	18.7		
150	16.85	12.86	14.9		
200	14.58	9.53	12.1		
250	12.90	9.04	11.0		
300	12.11	8.75	10.4		
Avg.	15.3	11.5	13.4		
400					
500					
600					
800					
1000					
Avg.					

Table 48.--Temperatures (°C), by station, fall season, northern inner shelf

Station 57

Depth (m)	Cruise 4	Cruise 9	Avg.
0	21.96	16.38	19.2
10	21.88	16.40	19.1
20			
Avg.	21.9	16.4	19.2

Station 58

Depth (m)	Cruise 4	Cruise 9	Avg.
0	21.58	16.44	19.0
10	21.57	16.45	19.0
20			
Avg.	21.6	16.4	19.0

Station 67

Depth (m)	Cruise 4	Cruise 9	Avg.
0	18.96	15.67	17.3
10	18.96	15.64	17.3
20			
Avg.	19.0	15.7	17.3

Station 68

Depth (m)	Cruise 4	Cruise 9	Avg.
0	19.02	14.39	16.7
10	19.06	14.45	16.8
20			
Avg.	19.0	14.4	16.7

Station 69

Depth (m)	Cruise 4	Cruise 9	Avg.
0	15.85	13.14	14.5
10	17.23	13.16	15.2
20			
Avg.	16.5	13.1	14.8

Station 76

Depth (m)	Cruise 4	Cruise 9	Avg.
0	17.34		17.3
10	17.37		17.4
20			
Avg.	17.4		17.3

Station 77

Depth (m)	Cruise 4	Cruise 9	Avg.
0	16.52		16.5
10	16.50		16.5
20			
Avg.	16.5		16.5

Station

Depth (m)	Cruise		Avg.
0			
10			
20			
Avg.			

Station

Depth (m)	Cruise		Avg.
0			
10			
20			
Avg.			

Station

Depth (m)	Cruise		Avg.
0			
10			
20			
Avg.			

Station

Depth (m)	Cruise		Avg.
0			
10			
20			
Avg.			

Table 49.--Temperatures (°C), by station, fall season, northern outer shelf

Station 59

Depth (m)	Cruise 4	Cruise 9	Avg.
0	22.21	21.38	21.8
10	21.99	21.41	21.7
20		21.08	21.1
30			
50			
75			
Avg.	22.1	21.3	21.6
100			
150			
200			
Avg.			

Station 60

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.50	22.72	24.1
10	25.52	22.73	24.1
20	25.53	22.75	24.1
30	25.59	22.75	24.2
50	25.61	22.74	24.2
75	24.73	21.91	23.3
Avg.	25.4	22.6	24.0
100	23.45	20.74	22.1
150	19.65	17.38	18.5
200		15.38	15.4
Avg.	21.5	17.8	19.3

Station 65

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.84	22.13	23.5
10	24.85	22.15	23.5
20	24.86	22.12	23.5
30	24.65	22.15	23.4
50			
75			
Avg.	24.8	22.1	23.5
100			
150			
200			
Avg.			

Station 66

Depth (m)	Cruise 4	Cruise 9	Avg.
0	20.73	18.73	19.7
10	20.78	18.76	19.8
20	20.75	18.76	19.8
Avg.	20.7	18.7	19.8

Station 70

Depth (m)	Cruise 4	Cruise 9	Avg.
0	19.81	18.70	19.3
10	19.83	18.58	19.2
20	19.87	18.58	19.2
30			
50			
75			
Avg.	19.8	18.6	19.2
100			
150			
200			
Avg.			

Station 71

Depth (m)	Cruise 4	Cruise 9	Avg.
0		22.31	22.3
10		22.30	22.3
20		22.26	22.3
30		22.23	22.2
50		22.18	22.2
75		22.11	22.1
Avg.		22.2	22.2
100		22.03	22.0
150			
200			
Avg.		22.0	22.0

Table 49.--Temperatures (°C), by station, fall season, northern outer shelf--Continued

Depth (m)	Station 75 Cruise 4	Station 75 Cruise 9	Station 75 Avg.	Station 78 Cruise 4	Station 78 Cruise 9	Station 78 Avg.
0	23.71		23.7			
10	23.73		23.7			
20	23.67		23.7			
30	23.35		23.3			
50						
75						
Avg.	23.6		23.6			
100						
150						
200						
Avg.						

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Depth (m)	Station Cruise	Station Avg.	Station Cruise	Station Avg.
0				
10				
20				
30				
50				
75				
Avg.				
100				
150				
200				
Avg.				

Table 50 -- Temperatures (°C), by station, fall season, northern offshore

Station 61

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.68	25.03	24.9
10	24.74	25.04	24.9
20	24.72	25.03	24.9
30	24.72	24.99	24.9
50	24.84	24.65	24.7
75	23.56	23.54	23.5
Avg.	24.5	24.7	24.6
100	22.44	21.74	22.1
150	20.70	18.89	19.8
200	17.82	14.80	16.3
250	16.12	13.27	14.7
300	14.52	11.15	12.8
Avg.	18.3	16.0	17.1
400	11.65		11.7
500			
600			
800			
1000			
Avg.	11.7		11.7

Station 62

Depth (m)	Cruise 4	Cruise 9	Avg.
0	24.88	25.34	25.1
10	24.92	25.38	25.1
20	24.91	25.38	25.1
30	24.86	25.37	25.1
50	24.69	25.34	25.0
75	24.29	25.29	24.8
Avg.	24.8	25.3	25.1
100	23.92	24.27	24.1
150	21.48	20.64	21.1
200	19.50	18.85	19.2
250	18.20	17.56	17.9
300	16.96	16.46	16.7
Avg.	20.0	19.6	19.8
400	14.64	14.19	14.4
500	12.15	11.40	11.8
600	9.87		9.9
800			
1000			
Avg.	12.2	12.8	12.5

Station 63

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.79	25.32	25.6
10	25.76	25.36	25.6
20	25.75	25.38	25.6
30	25.76	25.39	25.6
50	25.79	25.39	25.6
75	25.14	25.39	25.3
Avg.	25.7	25.4	25.5
100	24.30	24.97	24.6
150	21.15	21.66	21.4
200	19.04	19.49	19.3
250	18.52	17.98	18.3
300	17.96	15.02	16.5
Avg.	20.2	19.8	20.0
400	16.73	10.17	13.5
500	14.91		14.9
600	12.07		12.1
800			
1000			
Avg.	14.6	10.2	13.5

Station 64

Depth (m)	Cruise 4	Cruise 9	Avg.
0	25.47		25.5
10	25.51		25.5
20	25.49		25.5
30	25.46		25.5
50	25.42		25.4
75	25.40		25.4
Avg.	25.5		25.5
100	25.37		25.4
150	23.81		23.8
200	20.22		20.2
250	17.59		17.6
300	14.37		14.4
Avg.	20.3		20.3

Table 50.--Temperatures (°C), by station, fall season, northern offshore--Continued

Depth (m)	Station 72 Cruise 4	Station 72 Cruise 9	Station 72 Avg.	Station 73 Cruise 4	Station 73 Cruise 9	Station 73 Avg.
0		24.65	24.7			
10		24.64	24.6			
20		24.62	24.6			
30		24.53	24.5			
50		24.37	24.4			
75		24.22	24.2			
Avg.		24.5	24.5			
100		23.61	23.6			
150		21.60	21.6			
200		19.00	19.0			
250		17.53	17.5			
300		14.60	14.6			
Avg.		19.3	19.3			
400						
500						
600						
800						
1000						
Avg.						

Depth (m)	Station 74 Cruise 4	Station 74 Cruise 9	Station 74 Avg.	Station 79 Cruise 4	Station 79 Cruise 9	Station 79 Avg.
0						
10						
20						
30						
50						
75						
Avg.						
100						
150						
200						
250						
300						
Avg.						
400						
500						
600						
800						
1000						
Avg.						

Table 51.--Temperatures (°C), inner shelf, winter season

Southern Inner Shelf

Depth (m)	Stations 3	4	11	12	13	21	22	Avg.
0	22.5	22.0	18.1	17.8	17.4	15.2	15.1	19.1
10	20.5	21.9	18.2	17.9	17.4	15.4	15.1	18.5
20								
Avg.	21.9	21.9	18.1	17.9	17.4	15.3	15.1	18.8

Central Inner Shelf

Depth (m)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	15.3	13.9	13.5	13.8	12.9	13.5	12.9	13.8	11.0	13.5
10	14.9	13.9	13.6	13.7	13.0	13.5	13.2	13.7		13.7
Avg.	15.1	13.9	13.6	13.8	12.9	13.5	13.0	13.7	11.0	13.6

Northern Inner Shelf

Depth (m)	Stations 57	58	67	68	69	76	77	Avg.
0	12.1	13.4	12.1	14.0	12.5	15.6	14.7	13.5
10	14.1	13.5	11.9	13.1	12.5	16.6	14.8	13.6
20							16.1	16.1
Avg.	13.1	13.5	12.0	13.6	12.5	16.1	15.1	13.7

Table 52.--Temperatures (°C), inner shelf, spring season

Southern Inner Shelf

Depth (m)	Stations 3	4	11	12	13	21	22	Avg.
0	24.1	23.7	23.7	22.7	23.2	21.1	20.8	23.0
10	24.0	23.7		22.4	22.3	21.0	20.8	22.7
20								
Avg.	24.0	23.7	23:7	22.5	22.6	21.1	20.8	22.9

Central Inner Shelf

Depth (m)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	20.7	19.8	22.1	22.0	22.0	22.0	22.3	22.3	21.3	21.6
10	20.5	19.8	20.9	21.2	19.6	19.0		20.3		20.2
Avg.	20.7	19.8	21.5	21.6	20.8	20.5	22.3	21.3	21.3	21.0

Northern Inner Shelf

Depth (m)	Stations 57	58	67	68	69	76	77	Avg.
0	21.5	21.2	20.6	21.1	21.0	19.9	20.1	20.8
10	21.0	19.4	19.5	20.3	20.3	19.8	20.0	20.1
20								
Avg.	21.2	20.3	20.1	20.7	20.7	19.8	20.1	20.4

Table 53.--Temperatures (°C), inner shelf, summer season

Southern Inner Shelf

Depth (m)	Stations 3	4	11	12	13	21	22	Avg.
0	27.6	27.8	27.8	27.4	27.5	27.7	27.9	27.7
10	27.4	27.1	28.4	27.2	27.3	27.6	27.7	27.4
20		28.0						28.0
Avg.	27.5	27.5	27.9	27.3	27.4	27.6	27.8	27.6

Central Inner Shelf

Depth (m)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	28.1	28.0	28.1	28.3	27.7	27.5	27.6	27.3	27.5	27.8
10	27.9	28.0	28.3	28.2	27.6	27.6		27.2		27.8
Avg.	28.0	28.0	28.2	28.3	27.7	27.5	27.6	27.3	27.5	27.8

Northern Inner Shelf

Depth (m)	Stations 57	58	67	68	69	76	77	Avg.
0	27.3	27.1	27.0	26.9	27.0	26.2	26.0	26.8
10	27.4	27.1	26.9	27.0	26.7	26.2	26.0	26.8
20							25.7	25.7
Avg.	27.3	27.1	26.9	27.0	26.9	26.2	25.9	26.7

Table 54.--Temperatures (°C), inner shelf, fall season

Southern Inner Shelf

Depth (m)	Stations 3	4	11	12	13	21	22	Avg.
0	25.8	25.9	23.9	23.7	22.7	21.6	21.3	23.6
10	26.0	25.5	22.5	23.6	22.5	21.2	18.3	23.2
20		25.2						25.2
Avg.	25.9	25.5	23.4	23.7	22.7	21.4	20.3	23.5

Central Inner Shelf

Depth (m)	Stations 23	34	35	36	44	45	46	55	56	Avg.
0	21.1	23.2	20.3	20.2	19.4	18.7	18.8	19.3	17.3	19.6
10	17.9	23.4	20.3	20.2	19.4	18.7	18.9	19.3		19.6
Avg.	20.0	23.3	20.3	20.2	19.4	18.7	18.8	19.3	17.3	19.6

Northern Inner Shelf

Depth (m)	Stations 57	58	67	68	69	76	77	Avg.
0	19.2	19.0	17.3	16.7	14.5	17.3	16.5	17.3
10	19.1	19.0	17.3	16.8	15.2	17.4	16.5	17.4
20								
Avg.	19.2	19.0	17.3	16.7	14.8	17.3	16.5	17.3

Table 55.--Temperatures (°C), outer shelf, winter season

Southern Outer Shelf

Depth (m)	Stations 5	10	14	19	20	Avg.
0	22.6	24.1	22.1	21.1	17.7	21.7
10	22.5	24.0	22.1	21.1	17.7	21.6
20	21.7	22.9	22.0	20.9	17.9	21.2
30	19.0		21.2	20.8		20.0
50			21.0			21.0
Avg.	21.4	23.7	21.7	21.0	17.8	21.2

Central Outer Shelf

Depth (m)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	16.9	19.3	21.1		18.1	15.5	15.3	18.7	19.4	17.3	17.6	19.6	20.0	16.3	18.1
10	16.7	19.3	21.1		18.1	15.6	15.3	18.6	19.2	17.0	17.1	19.4	19.9	17.0	18.0
20	17.3	19.3	21.0		18.2	15.7	15.3	18.5	18.8	16.7	17.0	19.4	19.8	16.5	18.1
30		18.2	20.6		18.1		16.2	18.0	18.5			18.9	18.9		18.6
50			19.0						18.0			17.9	18.4		18.3
75			16.0						16.7			16.1	16.7		16.4
Avg.	16.9	19.1	19.8		18.2	15.6	15.4	18.4	18.4	17.0	17.2	18.5	19.0	16.6	18.0
100			13.9									15.1	15.6		14.9
150			6.9									13.6	13.6		12.3
200												10.7			10.7
Avg.			11.6									13.6	14.6		13.4

Table 55.--Temperatures (°C.), outer shelf, winter season--Continued

Northern Outer Shelf

Depth (m)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	17.8	20.4	20.7	18.3	17.2	21.2	19.2		19.1
10	17.9	20.2	20.8	18.2	16.8	21.0	19.3		19.0
20	17.9	20.0	20.7	14.3	16.5	20.7	19.0		18.5
30		19.9	20.6			20.5	20.2		20.3
50		17.4				20.8			19.1
75		16.7				20.4			18.5
Avg.	17.9	19.1	20.7	16.9	16.8	20.8	19.3		19.0
100		15.9				20.1			18.0
150									
200									
Avg.		15.9				20.1			18.0

Table 56.--Temperatures (°C), outer shelf, spring season

Southern Outer Shelf

Depth (m)	Stations 5	10	14	19	20	Avg.
0	24.4	24.5	25.3	22.7	21.7	24.1
10	23.8	24.2	25.2	22.7	21.7	23.8
20	20.9	21.7	24.6	22.7	21.3	22.3
30	19.1	21.2	24.3	20.2		21.4
50			20.5			20.5
Avg.	22.0	23.1	24.4	22.1	21.6	22.9

Central Outer Shelf

Depth (m)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	21.2	21.6	23.2	22.7	20.5	19.9	22.8	23.3	22.2	22.6	22.3	24.3	24.6	22.0	22.4
10	21.2	21.7	23.2	22.7	20.5	20.0	22.0	23.3	21.9	22.3	20.2	24.1	24.6	22.0	22.1
20	21.1	21.2	23.2	22.7	20.7		21.2	22.3	20.9	20.1	18.1	22.6	24.6	21.0	21.5
30			22.9	22.7	20.8			18.3	19.1			21.1	24.0		21.3
50			21.5						16.6			18.7	22.6		19.9
75			18.0						14.8			17.2	20.4		17.6
Avg.	21.2	21.5	22.0	22.7	20.6	20.0	22.0	21.8	19.2	21.7	20.2	21.3	23.5	21.7	21.5
100			14.0						13.3			15.9	18.4		15.4
150												13.7	14.6		14.2
200												10.5			10.5
Avg.			14.0						13.3			13.3	16.5		14.3

Table 56.--Temperatures (°C), outer shelf, spring season--Continued

Northern Outer Shelf

Depth (m)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	21.4	21.7	21.9	21.2	20.8	25.2	21.3	20.0	21.7
10	21.0	21.7	22.0	20.8	20.1	25.3	21.2	19.9	21.5
20		22.4	21.7	19.5	19.2	25.0	20.7	19.8	21.2
30		21.1	20.2			24.9	20.0		21.5
50		19.1				24.4			21.8
75		17.9				23.1			20.5
Avg.	21.2	20.7	21.4	20.5	20.0	24.6	20.8	19.9	21.4
100		16.0				21.5			18.7
150		14.1							14.1
200		12.3							12.3
Avg.		14.1				21.5			16.0

Table 57.--Temperatures (°C), outer shelf, summer season

Southern Outer Shelf

Depth (m)	Stations 5	10	14	19	20	Avg.
0	28.1	28.3	28.2	27.8	27.5	28.0
10	27.1	27.8	28.0	27.8	27.5	27.6
20	25.0	25.7	27.4	27.7	27.4	26.6
30	21.0		25.6	26.8		25.5
50			24.5			24.5
Avg.	26.2	27.3	26.7	27.5	27.5	27.0

Central Outer Shelf

Depth (m)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	27.8	28.0	28.3	28.1	27.6	27.8	27.8	28.0	28.2	27.8	27.6	28.0	27.9	27.5	27.9
10	27.5	27.7	28.1	27.9	27.3	27.5	27.5	27.9	27.9	27.7	27.2	27.8	27.7	27.2	27.6
20	27.1	27.2	27.9	26.5	26.6		26.9	27.7	25.6	26.9	26.2	27.4	27.5	26.0	26.9
30			27.3	25.2	26.5			26.1	23.1			25.1	25.3		25.6
50			25.7	22.8					19.0			21.1	21.7		22.2
75			23.1						16.6			17.2	18.6		19.1
Avg.	27.6	27.6	26.7	26.6	27.0	27.6	27.4	27.4	23.4	27.4	27.0	24.4	24.8	26.9	26.3
100			18.1						14.5			14.3	16.3		15.9
150												11.2	13.6		12.1
200												10.2			10.2
Avg.			18.1						14.5			12.1	15.2		14.2

Table 57.--Temperatures (°C), outer shelf, summer season--Continued

Northern Outer Shelf

Depth (m)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	26.6	27.8	27.2	26.7	26.9	27.6	27.5	26.2	27.1
10	26.6	27.7	27.2	26.7	26.7	27.6	27.5	26.1	27.0
20	24.4	27.6	27.0	24.9	26.0	27.5	27.5	25.5	26.6
30		25.0	25.9			26.5	24.3		25.5
50		20.8				24.6			22.7
75		18.6				21.7			20.1
Avg.	26.3	24.6	26.8	26.3	26.5	25.9	26.7	26.0	26.0
100		16.7				18.4			17.4
150		14.3							14.3
200		12.2							12.2
Avg.		14.7				18.4			15.4

Table 58.--Temperatures (°C), outer shelf, fall season

Southern Outer Shelf

Depth (m)	Stations 5	10	14	19	20	Avg.
0	26.0	25.4	25.3	25.5	23.6	25.2
10	26.0	25.4	25.3	25.4	23.5	25.1
20	25.9	25.6	25.4	25.1	23.5	25.1
30	25.8		25.4	24.6		25.2
50			25.1			25.1
Avg.	25.9	25.5	25.3	25.1	23.5	25.1

Central Outer Shelf

Depth (m)	Stations 24	25	26	31	32	33	37	38	42	43	47	48	53	54	Avg.
0	22.9	24.8	26.6	26.4	24.9	24.3	21.7	24.4	25.1	22.1	22.5	24.0	24.2	22.9	23.9
10	22.9	24.8	26.6	26.2	24.7	24.1	21.7	24.4	25.1	22.1	22.6	24.0	24.3	22.9	23.9
20	24.5	24.8	26.6		24.8		21.8	24.4	25.1	22.1	22.0	23.9	24.3	22.5	23.8
30			26.6		24.8			24.4	24.6	24.4		23.9	24.2		24.7
50			26.5						23.7			23.8	24.2		24.5
75			26.0						22.7			23.5	22.3		23.6
Avg.	23.2	24.8	26.5	26.3	24.8	24.2	21.8	24.4	24.4	22.4	22.4	23.8	23.9	22.7	24.0
100			25.5						21.8			22.8	20.1		22.6
150			16.4									17.0	17.3		17.0
200															
Avg.			22.4						21.8			19.9	18.7		20.4

Table 58.--Temperatures (°C), outer shelf, fall season--Continued

Northern Outer Shelf

Depth (m)	Stations								Avg.
	59	60	65	66	70	71	75	78	
0	21.8	24.1	23.5	19.7	19.3	22.3	23.7		21.9
10	21.7	24.1	23.5	19.8	19.2	22.3	23.7		21.9
20	21.1	24.1	23.5	19.8	19.2	22.3	23.7		21.8
30		24.2	23.4			22.2	23.3		23.5
50		24.2				22.2			23.5
75		23.3				22.1			22.9
Avg.	21.6	24.0	23.5	19.8	19.2	22.2	23.6		22.2
100		22.1				22.0			22.1
150		18.5							18.5
200		15.4							15.4
Avg.		19.3				22.0			19.8

Table 59.--Temperatures (°C), offshore, winter season

Southern Offshore

Depth (m)	Stations										Avg.
	1	2	6	7	8	9	15	16	17	18	
0	24.6	24.9	24.7	24.6	24.6		24.9	23.6	23.8	24.8	24.6
10	24.6	24.8	24.7	24.6	24.6		24.9	23.5	23.8	24.7	24.5
20	24.5	24.8	24.7	24.6	24.6		24.9	23.5	23.7	24.7	24.5
30	24.5	24.8	24.7	24.6	24.6		24.8	23.3	23.6	24.8	24.5
50	24.5	24.6	24.6	24.6	24.6		24.8	23.0	23.3	24.8	24.4
75	24.4	23.7	23.9	24.5	24.5		24.5	22.8	22.9	24.6	24.1
Avg.	24.5	24.6	24.6	24.6	24.6		24.8	23.3	23.5	24.7	24.4
100	24.1	22.7	23.1	24.4	24.2		24.3	22.6	22.6	24.3	23.6
150	21.8	19.1	21.2	22.4	21.1		21.1	22.2	21.8	22.0	21.3
200	19.9	16.4	18.3	20.3	19.1		18.7	19.9	20.1	17.3	18.9
250	18.9	15.0	15.5	18.5	18.0		17.9	19.0	19.0	13.7	17.2
300	18.0	13.4	13.2	17.1	17.1		16.7	18.2	18.1	11.3	15.8
Avg.	20.5	17.3	18.3	20.5	19.9		19.7	20.4	20.3	17.7	19.4
400	15.7	9.8	11.5	15.7	15.1		13.5	17.5	16.4	8.3	13.7
500	13.8				12.1		10.1	16.1	14.7		13.2
600					9.5		6.4	13.3	12.0		10.2
800											
1000											
Avg.	15.1	9.8	11.5	15.7	12.3		10.0	15.6	14.4	8.3	12.8

Table 59.--Temperatures (°C), offshore, winter season--Continued

Central Offshore

Depth (m)	Stations											Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0		23.5			23.7	24.2	24.0	23.5	24.1	22.7	20.0	23.2
10		23.5			23.6	24.2	24.0	23.4	24.0	22.7	19.9	23.2
20		23.4			23.5	24.2	24.0	22.8	24.0	22.7	19.8	23.0
30		23.5			22.7	24.2	23.9	21.8	24.0	22.6	19.2	22.7
50		23.5			21.3	24.2	23.7	19.8	24.0	22.0	17.3	21.9
75		23.4			19.8	23.8	23.3	18.8	23.7	20.9	16.1	21.1
Avg.		23.5			22.5	24.1	23.8	21.7	24.0	22.3	18.7	22.5
100		23.3			18.7	23.3	22.2	17.9	22.9	19.2	15.3	20.3
150		22.6			16.6	21.7	19.1	16.1	20.8	15.3	13.5	18.0
200		20.3			14.6	20.2	16.8	14.0	18.6	13.4	11.2	15.6
250		19.6			12.6	18.9	15.3	11.8	16.7	10.9	10.3	14.2
300		19.1			10.8	17.1	14.3		15.4	9.5	10.2	14.0
Avg.		21.0			14.7	20.9	17.5	14.9	18.9	14.5	12.3	16.7
400						12.5	9.5		12.5	7.6		10.9
500									11.1	6.5		8.8
600												
800												
1000												
Avg.						12.5	9.5		12.0	7.0		10.3

Table 59.--Temperatures (°C), offshore, winter season--Continued

Northern Offshore

Depth (m)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	20.2	22.6	22.5	21.4	24.1		23.4			22.1
10	20.2	22.6	22.5	21.4	24.1		23.6			22.1
20	19.8	22.6	22.5	21.4	24.1		23.5			22.0
30	19.7	22.6	22.5	21.1	24.1		23.4			21.9
50	19.1	22.5	21.9	20.6	23.9		23.1			21.6
75	18.5	22.2	20.2	20.1	23.4		22.5			21.0
Avg.	19.6	22.5	22.0	21.0	24.0		23.3			21.8
100	17.3	21.2	18.5	19.2	22.6		20.9			19.8
150	13.4	18.3	15.1	16.2	20.7		17.1			16.6
200	11.7	16.1	12.5	13.4	19.0					14.4
250	9.9	14.7	11.1		17.9					13.0
300	8.7	13.7	9.7		16.8					12.5
Avg.	12.6	16.8	13.4	16.3	19.4		19.0			15.6
400		11.8	7.9		15.0					11.6
500		9.6	7.0		13.1					9.8
600		10.0	6.0							8.0
800										
1000										
Avg.		10.6	7.0		14.1					10.2

Table 60.--Temperatures (°C), offshore, spring season

Southern Offshore

Depth (m)	Stations										Avg.
	1	2	6	7	8	9	15	16	17	18	
0	26.5	25.6	26.3	26.1	26.1	26.0	26.4	26.0	26.1	25.8	26.1
10	26.1	25.6	26.2	26.0	26.1	26.0	26.3	26.1	26.1	25.7	26.0
20	26.1	25.6	26.2	26.1	26.1	26.1	26.2	26.0	25.8	25.7	26.0
30	26.1	25.4	26.2	26.0	26.1	26.0	26.1	25.5	25.4	25.5	25.9
50	26.1	24.7	26.0	26.0	26.0	25.5	26.0	24.9	24.8	24.5	25.5
75	25.7	23.4	24.5	25.6	25.3	24.4	25.6	24.6	24.3	22.3	24.7
Avg.	26.1	25.0	25.9	26.0	25.9	25.7	26.1	25.5	25.4	24.9	25.7
100	25.1	21.5	22.1	24.9	24.4	22.8	25.0	24.1	23.8	20.3	23.6
150	22.0	17.4	19.3	21.9	22.2	19.3	22.1	22.5	22.1	18.3	20.8
200	19.6	17.6	16.8	20.1	20.4	17.3	19.4	20.9	20.5		19.3
250	18.0	15.9	14.1	18.6	18.6	14.1	17.9	19.4	19.1		17.6
300	16.6	14.3	11.0	17.3	17.0		16.6	18.2	17.9		16.6
Avg.	20.2	17.9	17.3	20.5	20.5	19.0	20.2	21.0	20.7	19.3	19.8
400	14.0	11.1		14.9	14.3		13.8	16.3	15.7		14.5
500	13.9	9.6			11.5		11.0	13.4	13.4		12.2
600	11.5				9.3		10.7	10.9	10.7		10.5
800											
1000											
Avg.	13.3	10.3		14.9	11.7		12.1	13.5	13.3		12.8

Table 60.--Temperatures (°C), offshore, spring season--Continued

Central Offshore

Depth (m)	Stations											Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0	25.7	25.8	25.8	25.2	25.7	26.8	27.0	23.8				25.7
10	25.7	25.7	25.8	25.0	25.6	26.7	27.0	23.8				25.6
20	25.6	25.7	25.7	24.9	24.7	26.5	26.8	23.6				25.4
30	25.6	25.6	25.7	24.5	23.8	26.3	26.5	22.5				25.1
50	24.8	24.4	24.8	23.8	22.4	25.4	25.7	20.0				23.9
75	23.3	22.6	23.4	22.2	19.8	23.9	24.3	16.4				22.0
Avg.	25.1	25.0	25.2	24.3	23.7	25.9	26.2	21.7				24.6
100	21.4	22.2	22.3	19.8	16.6	23.0	22.5	14.6				20.3
150	18.9	21.0	20.3	17.9	13.4	21.2	19.3	12.4				18.1
200	17.0	20.0	19.6	16.3	10.9	19.5	16.0	9.3				16.1
250	15.1	19.0	18.7	14.4		18.4		7.1				15.5
300		18.1	17.6	12.2		17.8						16.4
Avg.	18.1	20.1	19.7	16.1	13.6	20.0	19.3	10.8				17.5
400		16.1	14.7			15.5						15.4
500		13.9	10.4									12.2
600												
800												
1000												
Avg.		15.0	12.6			15.5						14.1

Table 60.--Temperatures (°C), offshore, spring season--Continued

Northern Offshore

Depth (m)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	24.1	26.0	25.0	23.6	25.4	25.7	26.0	25.3	25.7	25.2
10	23.6	25.8	24.9	23.5	25.4	25.7	26.0	25.4	25.7	25.1
20	23.6	25.7	24.8	19.5	25.2	25.8	26.0	25.4	25.6	24.6
30	21.3	25.5	24.7	19.2	24.4	25.7	25.6	25.4	25.6	24.2
50	17.3	24.7	23.5	18.7	23.3	25.2	24.9	24.7	25.4	23.1
75	13.2	23.0	21.3		21.6	23.7	23.7	23.0	23.6	21.6
Avg.	20.5	25.1	24.0	20.9	24.2	25.3	25.3	24.9	25.3	24.0
100	11.1	21.6	18.1		19.9	22.6	22.5	21.4	22.3	19.9
150	9.7	19.9	14.8		14.9	21.4	20.1	18.5	20.8	17.5
200	8.8	17.8			13.6	20.1	18.3	15.9	19.7	16.3
250	8.3	17.0			12.8	18.8	17.3	13.5	19.0	15.2
300	7.9	16.4			12.0	18.2	15.5	11.4	18.3	14.2
Avg.	9.2	18.5	16.5		14.6	20.2	18.7	16.1	20.0	16.8
400	7.6	15.2			8.9	16.3	11.8		16.9	12.8
500							7.3		15.0	11.2
600							5.3		12.4	8.9
800							4.2		7.1	5.7
1000							4.0		4.7	4.4
Avg.	7.6	15.2			8.9	16.3	6.5		11.2	9.8

Table 61.--Temperatures (°C), offshore, summer season

Southern Offshore

Depth (m)	Stations 1	2	6	7	8	9	15	16	17	18	Avg.
0	28.5	28.7	28.8	28.4	28.3	28.8	28.7	28.4	28.7	29.0	28.6
10	28.4	28.6	28.7	28.4	28.3	28.7	28.5	28.4	28.4	28.7	28.5
20	28.3	28.3	28.5	28.3	28.2	28.5	28.2	28.3	28.3	28.5	28.4
30	28.2	27.6	27.9	28.1	27.8	28.2	27.9	28.0	28.1	28.4	28.0
50	27.7	26.3	27.0	27.3	27.1	27.4	27.2	27.3	27.6	27.8	27.3
75	25.9	25.0	25.6	25.9	26.5	26.2	26.3	26.2	26.6	26.5	26.1
Avg.	27.8	27.4	27.7	27.7	27.7	28.0	27.8	27.8	28.0	28.2	27.8
100	24.4	23.6	24.3	24.5	25.4	24.7	25.5	25.1	25.4	25.0	24.8
150	21.8	20.7	21.3	21.6	22.4	20.6	23.1	22.6	22.6	20.7	21.8
200	19.7	18.2	18.3	19.8	20.4	19.0	20.3	20.6	20.5	16.1	19.3
250	19.0	15.9	15.7	18.9	19.3	15.8	17.4	19.4	19.3	13.6	17.6
300	18.2	14.4	13.3	18.1	18.1	13.0	14.4	18.4	18.1	11.5	16.1
Avg.	20.6	18.9	18.6	20.6	21.1	19.3	20.1	21.2	21.2	18.1	20.0
400	16.1	10.4		16.0	16.1		10.6	17.0	15.8	9.1	14.5
500	13.0	8.9		13.3	12.8		7.3	14.7	13.1		12.7
600					10.0			11.7	10.5		10.8
800								8.1			8.1
1000											
Avg.	15.3	9.9		14.9	13.3		9.8	13.8	13.1	9.1	13.1

Table 61.--Temperatures (°C), offshore, summer season--Continued

Central Offshore

Depth (m)	Stations											Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0	28.7	28.5	28.5	28.9	28.6	29.5	29.3	28.3	28.7	28.3	28.0	28.6
10	28.6	28.5	28.4	29.0	28.3	28.7	28.9	28.2	28.7	28.3	28.0	28.5
20	28.4	28.4	28.3	28.7	27.7	28.6	28.5	28.1	28.4	27.9	27.5	28.2
30	28.1	28.1	28.1	28.3	26.8	28.3	27.8	27.5	28.1	27.2	25.9	27.6
50	27.3	27.3	27.6	27.3	23.6	27.4	26.6	26.2	27.5	25.8	22.7	26.2
75	26.2	26.1	26.1	25.7	19.9	26.2	24.5	23.6	26.5	24.4	17.3	24.4
Avg.	27.9	27.8	27.8	28.0	25.8	28.1	27.6	27.0	28.0	27.0	25.3	27.3
100	25.2	25.1	24.2	24.2	17.6	24.5	22.1	20.8	23.7	23.2	15.2	22.5
150	22.7	22.4	21.4	20.9	15.0	21.5	16.9	15.3	19.7	21.2	13.4	19.3
200	19.1	20.4	19.6	18.2	13.1	19.9	14.1	13.6	18.2	18.2	11.9	17.4
250	16.2	19.4	18.9	16.1	10.8	18.5	12.1	11.8	16.6	15.7	10.3	15.5
300	14.1	18.4	18.0	14.0	9.4	17.5	10.3	10.3	15.3	13.8	8.7	14.3
Avg.	19.4	21.2	20.4	18.7	13.5	20.4	15.6	16.0	18.7	18.4	11.9	17.9
400	10.2	16.4	16.8	11.8		15.5			15.7	8.4		14.2
500	8.6	14.3	14.5			14.5			13.2			13.5
600		12.4	11.6									12.0
800												
1000												
Avg.	9.4	14.6	14.3	11.8		15.2			14.5	8.4		13.6

Table 61.--Temperatures (°C), offshore, summer season--Continued

Northern Offshore

Depth (m)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	28.1	28.3	28.1	28.1	28.4	27.6	27.3	27.8	27.9	28.0
10	28.1	28.3	28.2	28.2	28.4	27.7	27.3	27.8	27.9	28.0
20	27.7	28.1	28.0	28.0	28.4	27.7	27.2	27.8	27.8	27.9
30	27.2	27.8	27.6	27.2	28.0	27.7	26.8	27.7	27.5	27.5
50	24.7	26.7	26.8	25.7	26.8	26.5	25.6	26.8	26.8	26.2
75	21.0	25.4	25.5	23.7	25.3	25.0	22.9	25.1	25.3	24.3
Avg.	26.1	27.4	27.4	26.8	27.5	27.0	26.2	27.2	27.2	27.0
100	18.1	23.9	23.7	21.7	23.6	23.8	20.3	21.7	23.9	22.3
150	14.3	20.8	20.4	17.2	20.2	22.2	17.3	18.2	21.3	19.0
200	12.3	18.6	18.3	14.3	17.6	19.5	15.5	16.7	19.6	16.8
250	10.8	16.4	16.9	11.9	14.9	16.8	14.6	15.5	18.8	15.3
300	10.7	14.4	15.6		15.2	15.4	13.3	14.0	17.3	14.8
Avg.	13.6	18.8	19.0	17.2	19.1	19.5	16.2	17.2	20.2	17.9
400	8.9	12.3	13.8		11.5	13.6	10.9	14.5	15.7	12.9
500		10.4			9.1	12.1	8.3	10.4	15.8	10.8
600		7.4				10.6	6.4	7.2	12.6	9.1
800						9.0			8.8	8.9
1000									5.7	5.7
Avg.	8.9	10.6	13.8		10.3	11.6	8.9	10.7	12.4	11.1

Table 62.--Temperatures (°C), offshore, fall season

Southern Offshore

Depth (m)	Stations										Avg.
	1	2	6	7	8	9	15	16	17	18	
0	27.3	27.1	27.3	27.2	27.3	27.3	27.2	27.2	26.6	27.2	27.2
10	27.3	27.1	27.3	27.3	27.3	27.3	27.2	27.2	26.6	27.3	27.2
20	27.3	27.1	27.3	27.3	27.3	27.3	27.2	27.2	26.6	27.4	27.2
30	27.3	27.1	27.3	27.3	27.3	27.4	27.3	27.1	26.6	27.4	27.2
50	27.3	27.0	27.0	27.1	27.3	27.3	27.3	26.9	26.6	27.1	27.1
75	26.1	25.2	26.4	26.5	26.7	27.0	26.8	26.9	26.5	25.6	26.4
Avg.	27.1	26.8	27.1	27.1	27.2	27.3	27.2	27.1	26.6	27.0	27.1
100	24.9	23.7	25.6	25.6	25.7	25.8	26.0	26.6	25.6	24.3	25.4
150	22.5	20.3	21.7	22.2	22.6	22.1	22.3	22.1	21.9	20.9	21.8
200	20.0	17.6	18.7	19.7	20.4	18.4	19.4	20.1	19.6	16.2	19.0
250	18.1	15.8	17.1	18.3	18.7	15.1	17.5	18.8	18.5	13.2	17.1
300	17.3	14.1	15.6	17.3	17.7	14.5	15.8	17.9	17.4	11.2	15.9
Avg.	20.6	18.3	19.7	20.6	21.0	19.7	20.2	21.1	20.6	17.2	19.9
400	15.0	10.8	12.4	15.4	15.7		12.4	16.4	14.7	11.4	13.9
500	13.1			13.6	13.0		9.6	14.1	11.9		12.4
600					10.1		9.0	12.5	9.0		10.5
800											
1000											
Avg.	14.3	10.8	12.4	14.8	12.9		10.6	14.3	11.9	11.4	12.8

Table 62.--Temperatures (°C), offshore, fall season--Continued

Central Offshore

Depth (m)	Stations											Avg.
	27	28	29	30	39	40	41	49	50	51	52	
0	27.2	26.8	27.0	26.5	25.4	25.9	25.8	25.0	25.9	25.3	24.0	25.9
10	27.2	26.9	27.0	27.2	25.4	25.9	25.8	24.9	25.9	25.4	24.1	26.0
20	27.2	26.8	26.9	27.2	25.4	25.9	25.8	24.7	25.9	25.2	24.1	25.9
30	27.2	26.8	26.7	27.2	25.4	25.9	25.8	24.6	25.9	25.2	24.1	25.9
50	27.0	26.4	26.1	27.2	25.3	25.9	25.8	24.5	25.9	25.0	24.0	25.7
75	25.9	25.4	25.0	25.5	24.5	25.7	25.3	23.2	25.5	24.4	21.1	24.7
Avg.	26.9	26.5	26.4	26.8	25.2	25.9	25.7	24.5	25.8	25.1	23.6	25.7
100	24.7	24.3	23.8	23.9	22.2	24.9	23.9	21.0	25.1	23.0	18.7	23.2
150	21.7	21.9	21.2	21.0	18.3	22.0	21.0	16.8	22.8	18.8	14.9	20.1
200	19.7	19.9	19.7	19.2	15.3	20.4	17.8	14.3	20.6	15.7	12.1	17.7
250	18.3	18.9	18.9	17.9	13.0	19.1	14.3	12.8	17.3	13.7	11.0	15.9
300	16.5	18.3	18.1	16.6	11.3	17.7	12.2	13.4	14.6	12.3	10.4	14.7
Avg.	20.2	20.7	20.4	19.7	16.0	20.8	17.9	15.9	20.1	16.7	13.4	18.4
400	12.1	17.1	16.3	11.7	10.5				11.9	12.5		13.4
500	9.3	15.2	14.1	9.1					14.0	9.1		12.2
600		12.7	11.7						11.2			12.0
800												
1000												
Avg.	10.7	15.0	14.0	10.8	10.5				12.2	10.8		12.7

Table 62.--Temperatures (°C), offshore, fall season--Continued

Northern Offshore

Depth (m)	Stations									Avg.
	61	62	63	64	72	73	74	79	80	
0	24.9	25.1	25.6	25.5	24.7					25.1
10	24.9	25.1	25.6	25.5	24.6					25.2
20	24.9	25.1	25.6	25.5	24.6					25.2
30	24.9	25.1	25.6	25.5	24.5					25.1
50	24.7	25.0	25.6	25.4	24.4					25.1
75	23.5	24.8	25.3	25.4	24.2					24.6
Avg.	24.6	25.1	25.5	25.5	24.5					25.0
100	22.1	24.1	24.6	25.4	23.6					23.8
150	19.8	21.1	21.4	23.8	21.6					21.2
200	16.3	19.2	19.3	20.2	19.0					18.6
250	14.7	17.9	18.3	17.6	17.5					17.1
300	12.8	16.7	16.5	14.4	14.6					15.1
Avg.	17.1	19.8	20.0	20.3	19.3					19.2
400	11.7	14.4	13.5							13.5
500		11.8	14.9							12.8
600		9.9	12.1							11.0
800										
1000										
Avg.	11.7	12.5	13.5							12.8

Table 63.--Temperatures (°C), inner shelf, summary by season

Southern Inner Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	19.1	23.0	27.7	23.6
10	18.5	22.7	27.4	23.2
20			28.0	25.2
Avg.	18.8	22.9	27.6	23.5

Central Inner Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	13.5	21.6	27.8	19.6
10	13.7	20.2	27.8	19.6
Avg.	13.6	21.0	27.8	19.6

Northern Inner Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	13.5	20.8	26.8	17.3
10	13.6	20.1	26.8	17.4
20	16.1		25.7	
Avg.	13.7	20.4	26.7	17.3

Table 64 .-- Temperatures (°C), outer shelf, summary by season

Southern Outer Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	21.7	24.1	28.0	25.2
10	21.6	23.8	27.6	25.1
20	21.2	22.3	26.6	25.1
30	20.0	21.4	25.5	25.2
50	21.0	20.5	24.5	25.1
Avg.	21.2	22.9	27.0	25.1

Central Outer Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	18.1	22.4	27.9	23.9
10	18.0	22.1	27.6	23.9
20	18.1	21.5	26.9	23.8
30	18.6	21.3	25.6	24.7
50	18.3	19.9	22.2	24.5
75	16.4	17.6	19.1	23.6
Avg.	18.0	21.5	26.3	24.0
100	14.9	15.4	15.9	22.6
150	12.3	14.2	12.1	17.0
200	10.7	10.5	10.2	
Avg.	13.4	14.3	14.2	20.4

Northern Outer Shelf

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	19.1	21.7	27.1	21.9
10	19.0	21.5	27.0	21.9
20	18.5	21.2	26.6	21.8
30	20.3	21.5	25.5	23.5
50	19.1	21.8	22.7	23.5
75	18.5	20.5	20.1	22.9
Avg.	19.0	21.4	26.0	22.2
100	18.0	18.7	17.4	22.1
150		14.1	14.3	18.5
200		12.3	12.2	15.4
Avg.	18.0	16.0	15.4	19.8

Table 65.--Temperatures (°C), offshore, summary by season

Southern Offshore

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	24.6	26.1	28.6	27.2
10	24.5	26.0	28.5	27.2
20	24.5	26.0	28.4	27.2
30	24.5	25.9	28.0	27.2
50	24.4	25.5	27.3	27.1
75	24.1	24.7	26.1	26.4
Avg.	24.4	25.7	27.8	27.1
100	23.6	23.6	24.8	25.4
150	21.3	20.8	21.8	21.8
200	18.9	19.3	19.3	19.0
250	17.2	17.6	17.6	17.1
300	15.8	16.6	16.1	15.9
Avg.	19.4	19.8	20.0	19.9
400	13.7	14.5	14.5	13.9
500	13.2	12.2	12.7	12.4
600	10.2	10.5	10.8	10.5
800			8.1	
Avg.	12.8	12.8	13.1	12.8

Central Offshore

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	23.2	25.7	28.6	25.9
10	23.2	25.6	28.5	26.0
20	23.0	25.4	28.2	25.9
30	22.7	25.1	27.6	25.9
50	21.9	23.9	26.2	25.7
75	21.1	22.0	24.4	24.7
Avg.	22.5	24.6	27.3	25.7
100	20.3	20.3	22.5	23.2
150	18.0	18.1	19.3	20.1
200	15.6	16.1	17.4	17.7
250	14.2	15.5	15.5	15.9
300	14.0	16.4	14.3	14.7
Avg.	16.7	17.5	17.9	18.4
400	10.9	15.4	14.2	13.4
500	8.8	12.2	13.5	12.2
600			12.0	12.0
Avg.	10.3	14.1	13.6	12.7

Table 65.--Temperatures (°C), offshore, summary by season--Continued

Northern Offshore

Depth (m)	Season			
	Winter	Spring	Summer	Fall
0	22.1	25.2	28.0	25.1
10	22.1	25.1	28.0	25.2
20	22.0	24.6	27.9	25.2
30	21.9	24.2	27.5	25.1
50	21.6	23.1	26.2	25.1
75	21.0	21.6	24.3	24.6
Avg.	21.8	24.0	27.0	25.0
100	19.8	19.9	22.3	23.8
150	16.6	17.5	19.0	21.2
200	14.4	16.3	16.8	18.6
250	13.0	15.2	15.3	17.1
300	12.5	14.2	14.8	15.1
Avg.	15.6	16.8	17.9	19.2
400	11.6	12.8	12.9	13.5
500	9.8	11.2	10.8	12.8
600	8.0	8.9	9.1	11.0
800		5.7	8.9	
1000		4.4	5.7	
Avg.	10.2	9.8	11.1	12.8

Table 66.-- Temperatures (°C), summary comparison by season for inner shelf from south to north

Depth (m)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	19.1	13.5	13.5	23.0	21.6	20.8
10	18.5	13.7	13.6	22.7	20.2	20.1
20			16.1			
Avg.	18.8	13.6	13.7	22.9	21.0	20.4

Depth (m)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	27.7	27.8	26.8	23.6	19.6	17.3
10	27.4	27.8	26.8	23.2	19.6	17.4
20	28.0		25.7	25.2		
Avg.	27.6	27.8	26.7	23.5	19.6	17.3

Table 67.-- Temperatures (°C), summary comparison by season for outer shelf from south to north

Depth (m)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	21.7	18.1	19.1	24.1	22.4	21.7
10	21.6	18.0	19.0	23.8	22.1	21.5
20	21.2	18.1	18.5	22.3	21.5	21.2
30	20.0	18.6	20.3	21.4	21.3	21.5
50	21.0	18.3	19.1	20.5	19.9	21.8
75		16.4	18.5		17.6	20.5
Avg.	21.2	18.0	19.0	22.9	21.5	21.4
100		14.9	18.0		15.4	18.7
150		12.3			14.2	14.1
200		10.7			10.5	12.3
Avg.		13.4	18.0		14.3	16.0

Depth (m)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	28.0	27.9	27.1	25.2	23.9	21.9
10	27.6	27.6	27.0	25.1	23.9	21.9
20	26.6	26.9	26.6	25.1	23.8	21.8
30	25.5	25.6	25.5	25.2	24.7	23.5
50	24.5	22.2	22.7	25.1	24.5	23.5
75		19.1	20.1		23.6	22.9
Avg.	27.0	26.3	26.0	25.1	24.0	22.2
100		15.9	17.4		22.6	22.1
150		12.1	14.3		17.0	18.5
200		10.2	12.2			15.4
Avg.		14.2	15.4		20.4	19.8

Table 68.--Temperatures (°C), summary comparison by season for offshore from south to north

Depth (m)	Winter Season			Spring Season		
	Southern	Central	Northern	Southern	Central	Northern
0	24.6	23.2	22.1	26.1	25.7	25.2
10	24.5	23.2	22.1	26.0	25.6	25.1
20	24.5	23.0	22.0	26.0	25.4	24.6
30	24.5	22.7	21.9	25.9	25.1	24.2
50	24.4	21.9	21.6	25.5	23.9	23.1
75	24.1	21.1	21.0	24.7	22.0	21.6
Avg.	24.4	22.5	21.8	25.7	24.6	24.0
100	23.6	20.3	19.8	23.6	20.3	19.9
150	21.3	18.0	16.6	20.8	18.1	17.5
200	18.9	15.6	14.4	19.3	16.1	16.3
250	17.2	14.2	13.0	17.6	15.5	15.2
300	15.8	14.0	12.5	16.6	16.4	14.2
Avg.	19.4	16.7	15.6	19.8	17.5	16.8
400	13.7	10.9	11.6	14.5	15.4	12.8
500	13.2	8.8	9.8	12.2	12.2	11.2
600	10.2		8.0	10.5		8.9
800						5.7
1000						4.4
Avg.	12.8	10.3	10.2	12.8	14.1	9.8

Depth (m)	Summer Season			Fall Season		
	Southern	Central	Northern	Southern	Central	Northern
0	28.6	28.6	28.0	27.2	25.9	25.1
10	28.5	28.5	28.0	27.2	26.0	25.2
20	28.4	28.2	27.9	27.2	25.9	25.2
30	28.0	27.6	27.5	27.2	25.9	25.1
50	27.3	26.2	26.2	27.1	25.7	25.1
75	26.1	24.4	24.3	26.4	24.7	24.6
Avg.	27.8	27.3	27.0	27.1	25.7	25.0
100	24.8	22.5	22.3	25.4	23.2	23.8
150	21.8	19.3	19.0	21.8	20.1	21.2
200	19.3	17.4	16.8	19.0	17.7	18.6
250	17.6	15.5	15.3	17.1	15.9	17.1
300	16.1	14.3	14.8	15.9	14.7	15.1
Avg.	20.0	17.9	17.9	19.9	18.4	19.2
400	14.5	14.2	12.9	13.9	13.4	13.5
500	12.7	13.5	10.8	12.4	12.2	12.8
600	10.8	12.0	9.1	10.5	12.0	11.0
800	8.1		8.9			
1000			5.7			
Avg.	13.1	13.6	11.1	12.8	12.7	12.8

Table 69.--Temperatures (°C), summary comparison from inner shelf to offshore, southern area, winter season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	19.1	21.7	24.6
10	18.5	21.6	24.5
20		21.2	24.5
30		20.0	24.5
50		21.0	24.4
75			24.1
Avg.	18.8	21.2	24.4
100			23.6
150			21.3
200			18.9
250			17.2
300			15.8
Avg.			19.4
400			13.7
500			13.2
600			10.2
800			
1000			
Avg.			12.8

Table 70.--Temperatures (°C), summary comparison from inner shelf to offshore, southern area, spring season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	23.0	24.1	26.1
10	22.7	23.8	26.0
20		22.3	26.0
30		21.4	25.9
50		20.5	25.5
75			24.7
Avg.	22.9	22.9	25.7
100			23.6
150			20.8
200			19.3
250			17.6
300			16.6
Avg.			19.8
400			14.5
500			12.2
600			10.5
800			
1000			
Avg.			12.8

Table 71.--Temperatures (°C), summary comparison from inner shelf to offshore, southern area, summer season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	27.7	28.0	28.6
10	27.4	27.6	28.5
20	28.0	26.6	28.4
30		25.5	28.0
50		24.5	27.3
75			26.1
Avg.	27.6	27.0	27.8
100			24.8
150			21.8
200			19.3
250			17.6
300			16.1
Avg.			20.0
400			14.5
500			12.7
600			10.8
800			8.1
1000			
Avg.			13.1

Table 72.--Temperatures (°C), summary comparison from inner shelf to offshore, southern area, fall season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	23.6	25.2	27.2
10	23.2	25.1	27.2
20	25.2	25.1	27.2
30		25.2	27.2
50		25.1	27.1
75			26.4
Avg.	23.5	25.1	27.1
100			25.4
150			21.8
200			19.0
250			17.1
300			15.9
Avg.			19.9
400			13.9
500			12.4
600			10.5
800			
1000			
Avg.			12.8

Table 73.--Temperatures (°C), summary comparison from inner shelf to offshore, central area, winter season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	13.5	18.1	23.2
10	13.7	18.0	23.2
20		18.1	23.0
30		18.6	22.7
50		18.3	21.9
75		16.4	21.1
Avg.	13.6	18.0	22.5
100		14.9	20.3
150		12.3	18.0
200		10.7	15.6
250			14.2
300			14.0
Avg.		13.4	16.7
400			10.9
500			8.8
600			
800			
1000			
Avg.			10.3

Table 74.--Temperatures (°C), summary comparison from inner shelf to offshore, central area, spring season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	21.6	22.4	25.7
10	20.2	22.1	25.6
20		21.5	25.4
30		21.3	25.1
50		19.9	23.9
75		17.6	22.0
Avg.	21.0	21.5	24.6
100		15.4	20.3
150		14.2	18.1
200		10.5	16.1
250			15.5
300			16.4
Avg.		14.3	17.5
400			15.4
500			12.2
600			
800			
1000			
Avg.			14.1

Table 75.--Temperatures (°C), summary comparison from inner shelf to offshore, central area, summer season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	27.8	27.9	28.6
10	27.8	27.6	28.5
20		26.9	28.2
30		25.6	27.6
50		22.2	26.2
75		19.1	24.4
Avg.	27.8	26.3	27.3
100		15.9	22.5
150		12.1	19.3
200		10.2	17.4
250			15.5
300			14.3
Avg.		14.2	17.9
400			14.2
500			13.5
600			12.0
800			
1000			
Avg.			13.6

Table 76.-- Temperatures (°C), summary comparison from inner shelf to offshore, central area, fall season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	19.6	23.9	25.9
10	19.6	23.9	26.0
20		23.8	25.9
30		24.7	25.9
50		24.5	25.7
75		23.6	24.7
Avg.	19.6	24.0	25.7
100		22.6	23.2
150		17.0	20.1
200			17.7
250			15.9
300			14.7
Avg.		20.4	18.4
400			13.4
500			12.2
600			12.0
800			
1000			
Avg.			12.7

Table 77.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, winter season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	13.5	19.1	22.1
10	13.6	19.0	22.1
20	16.1	18.5	22.0
30		20.3	21.9
50		19.1	21.6
75		18.5	21.0
Avg.	13.7	19.0	21.8
100		18.0	19.8
150			16.6
200			14.4
250			13.0
300			12.5
Avg.		18.0	15.6
400			11.6
500			9.8
600			8.0
800			
1000			
Avg.			10.2

Table 78.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, spring season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	20.8	21.7	25.2
10	20.1	21.5	25.1
20		21.2	24.6
30		21.5	24.2
50		21.8	23.1
75		20.5	21.6
Avg.	20.4	21.4	24.0
100		18.7	19.9
150		14.1	17.5
200		12.3	16.3
250			15.2
300			14.2
Avg.		16.0	16.8
400			12.8
500			11.2
600			8.9
800			5.7
1000			4.4
Avg.			9.8

Table 79.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, summer season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	26.8	27.1	28.0
10	26.8	27.0	28.0
20	25.7	26.6	27.9
30		25.5	27.5
50		22.7	26.2
75		20.1	24.3
Avg.	26.7	26.0	27.0
100		17.4	22.3
150		14.3	19.0
200		12.2	16.8
250			15.3
300			14.8
Avg.		15.4	17.9
400			12.9
500			10.8
600			9.1
800			8.9
1000			5.7
Avg.			11.1

Table 80.--Temperatures (°C), summary comparison from inner shelf to offshore, northern area, fall season

Depth (m)	Inner Shelf	Outer Shelf	Offshore
0	17.3	21.9	25.1
10	17.4	21.9	25.2
20		21.8	25.2
30		23.5	25.1
50		23.5	25.1
75		22.9	24.6
Avg.	17.3	22.2	25.0
100		22.1	23.8
150		18.5	21.2
200		15.4	18.6
250			17.1
300			15.1
Avg.		19.8	19.2
400			13.5
500			12.8
600			11.0
800			
1000			
Avg.			12.8

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